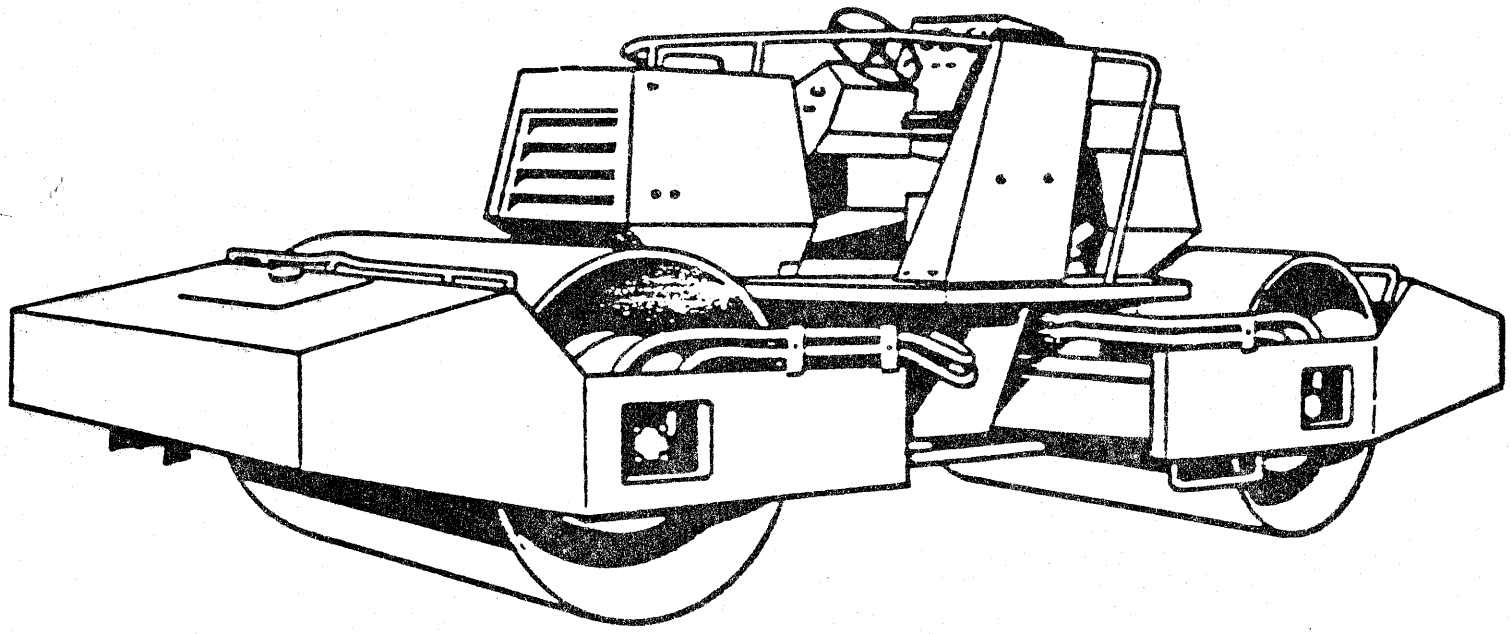
MANUAL NO. 485T
MODEL SP-1100B
DOUBLE DRUM
VIBRATORY ROLLER
(R 183)

REXWORKS

single and double drum vibratory rollers



SERVICE MANUAL

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REX SERVICE MANUAL 485T
(R 388)

REX MODEL SP-1100B DUAL VIBRATORY ROLLER

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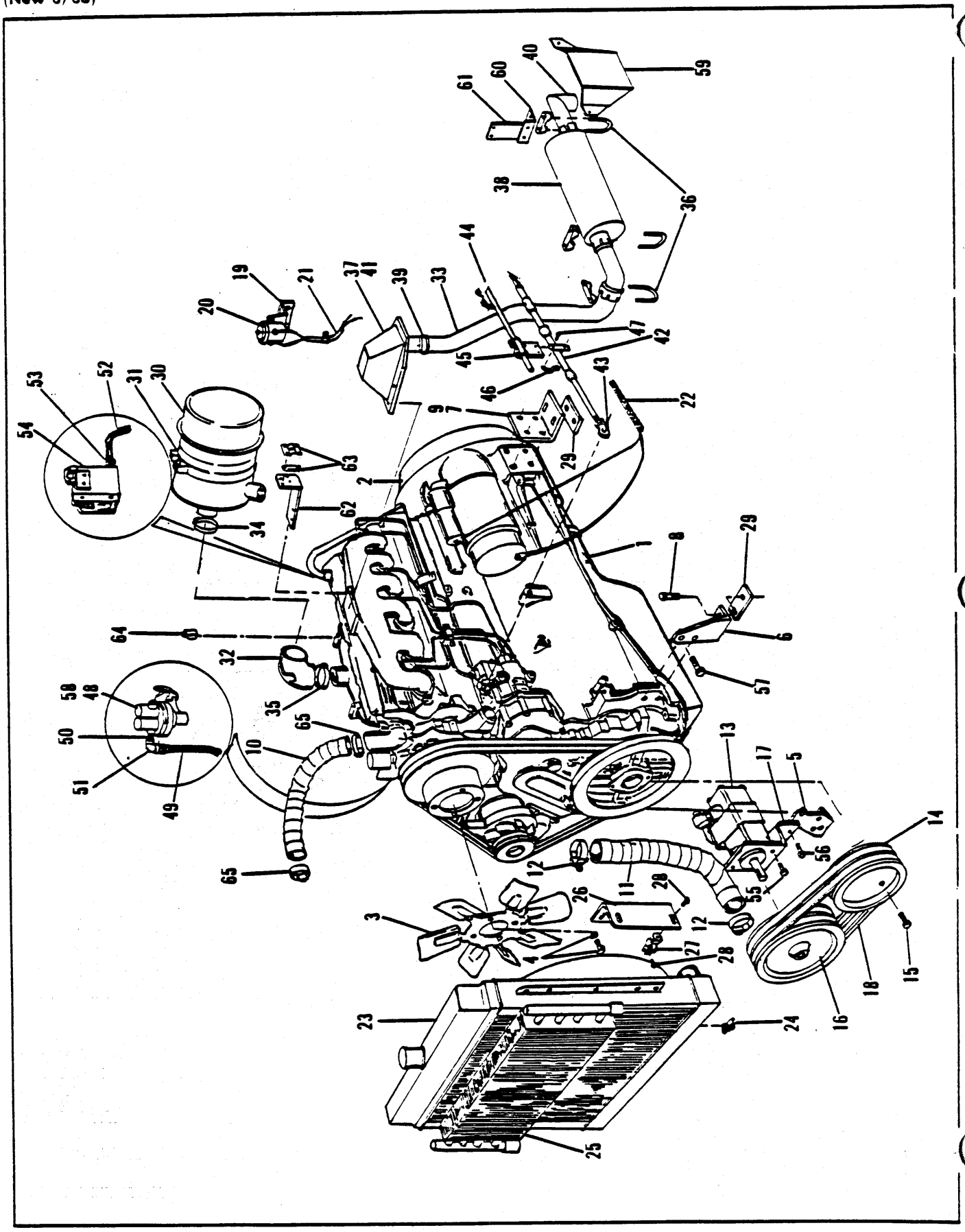
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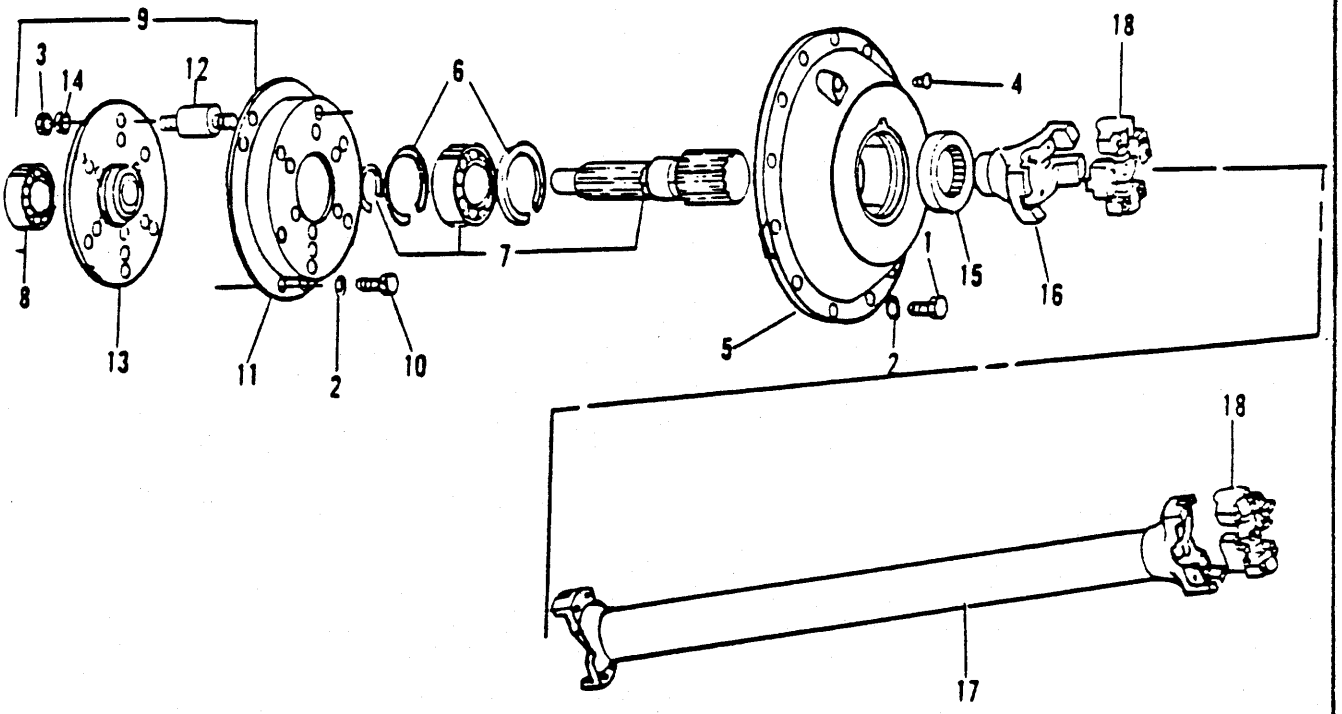
JOHN DEERE POWER UNIT OPTION, MOUNTING, AIR CLEANER, MUFFLER
POWER STEERING PUMP WITH BELTS & SHEAVES

Item No.	Part Number	Description	No. Req'd.
1	102-30724-1	Engine Assembly (John Deere Model #6359D – Spec. #FC-16089) (Refer to Engine Parts Book)	1
2	102-10523-1	Damper Assembly (John Deere #AT30428) (See Separate Illustration)	1
3	102-10415-1	Fan Blade – 18" Dia. – 7 Blade (John Deere #AT35158)	1
4	398-20000-37	Lock Washer 3/8"	4
	298-104-93	H. T. Zinc Plated Cap Screw 3/8" x 1"	4
5	102-30779-1	Front Engine Bracket (R.H.)	1
6	102-30780-1	Front Engine Bracket (L.H.)	1
7	102-30683-1	Rear Engine Support	2
8	298-116-93	Cap Screw ½" x 2¼" Zinc Plated	12
9	298-115-93	H.T. Zinc Plated Cap Screw ½" x 1¾"	8
10	298-5617-68	Radiator Hose 2" I.D. x 12" lg.	1
11	298-5719-68	Radiator Hose 2¼" I.D. x 18" lg.	1
12	298-9000-86	Hose Clamp	2
13	102-7949-1	Pump – Hydraulic – Steering (Vickers No. VTM42-60-75-15-MD-R1-14) (See Separate Illustration)	1
14	102-30774-1	Adapter Pulley – Power Steering Pump Drive (Bolts to Crankshaft Pulley)	1
15	102-10511-1	Cap Screw 3/8" x 1¾" Grade 5 Drilled	2
	- - - - -	Soft Iron Wire – 16 Ga. x 2" lg.	2
16	102-3675-1	Hydraulic Pump Driven Sheave	1
17	102-30781-1	Mounting Bracket – Steering Pump	1
18	298-7083-91	Matched Set of Two "V" Belts	1
19	102-30766-1	Solenoid Bracket	1
20	298-6543-17	Solenoid Switch – 12 Volt (Cole Hersee #24037) – Fuel Pump Shutoff	1
21	102-9859-2	Wire Set – Solenoid	1
22	102-4940-1	Wiring Harness (Ref. only)	1
23	102-10384-1	Radiator & Shroud	1
24	298-20-98	Radiator Drain Cock	1
25*	102-10785-1	Oil Cooler	1
26	102-10793-1	Oil Cooler Mtg. Bracket	2
27	298-9059-86	Clamp – Oil Cooler	4
28	398-2001-45	H.C.-H.T. Cap Screw ¼" x ¾"	8
	398-20000-36	Lock Washer	11
	398-20000-88	Cut Washer	8
	398-11000-17	Hex Nut ¼"	11
29	102-10067-1	Isolator Pad	4
30	102-10380-1	Air Cleaner – Horizontal (Donaldson FWG08-0023)	1
	102-10380-2	Replaceable Element (Donaldson P10-1246)	1
	102-8177-12	Gasket Washer (Donaldson P10-1872)	1
31	298-5158-92	Air Cleaner Mounting Band (Donaldson P-4307)	1
32	298-5205-92	Rubber Elbow	1
33	102-4936-1	Exhaust Pipe	1
34	298-9015-86	Hose Clamp	1
35	298-9019-86	Hose Clamp	1
36	298-344-47	Muffler Clamp 2½"	4
37	298-103-93	H.T. Zinc Plated Cap Screw 3/8" x ¾"	4
38	298-5192-92	Muffler – Exhaust	1
39	298-124-47	Muffler Clamp – 2-1/8" Dia.	2
40	502-8517-80	Tail Pipe	1
41	502-20207-80	Exhaust Elbow	1
42	102-9874-2	Control Cable Throttle	1
43	298-276-2	Rod End	1
44	502-8512-80	Throttle Bracket	1
45	298-157-47	Bracket – Cable Clamp	1
46	298-146-47	Cable Clamp w/Shim	1
47	398-10000-36	Rd. Hd. Mach. Screw #8-32 x 5/8"	2
	398-10001-17	Hex Nut #8-32	2
	398-20000-78	Lock Washer #8	2
48	- - - - -	Transfer Pump (Ref. only) (See Engine Parts Book)	–
49	502-1341-91	Hose Assembly – 7 Ft. Long	1
50	398-14006-78	Nipple 1/8" x ¾"	1
51	398-14001-58	Elbow ¼" x 1/8" x 90°	1
52	102-9881-3	Fuel Line Hose – 117" lg.	1
53	298-8160-86	Hose Barb – 1/8" Thread	2

*Used up to Serial Number 181.

JOHN DEERE POWER UNIT OPTION, MOUNTING, AIR CLEANER, MUFFLER POWER STEERING PUMP WITH BELTS & SHEAVES (Continued)

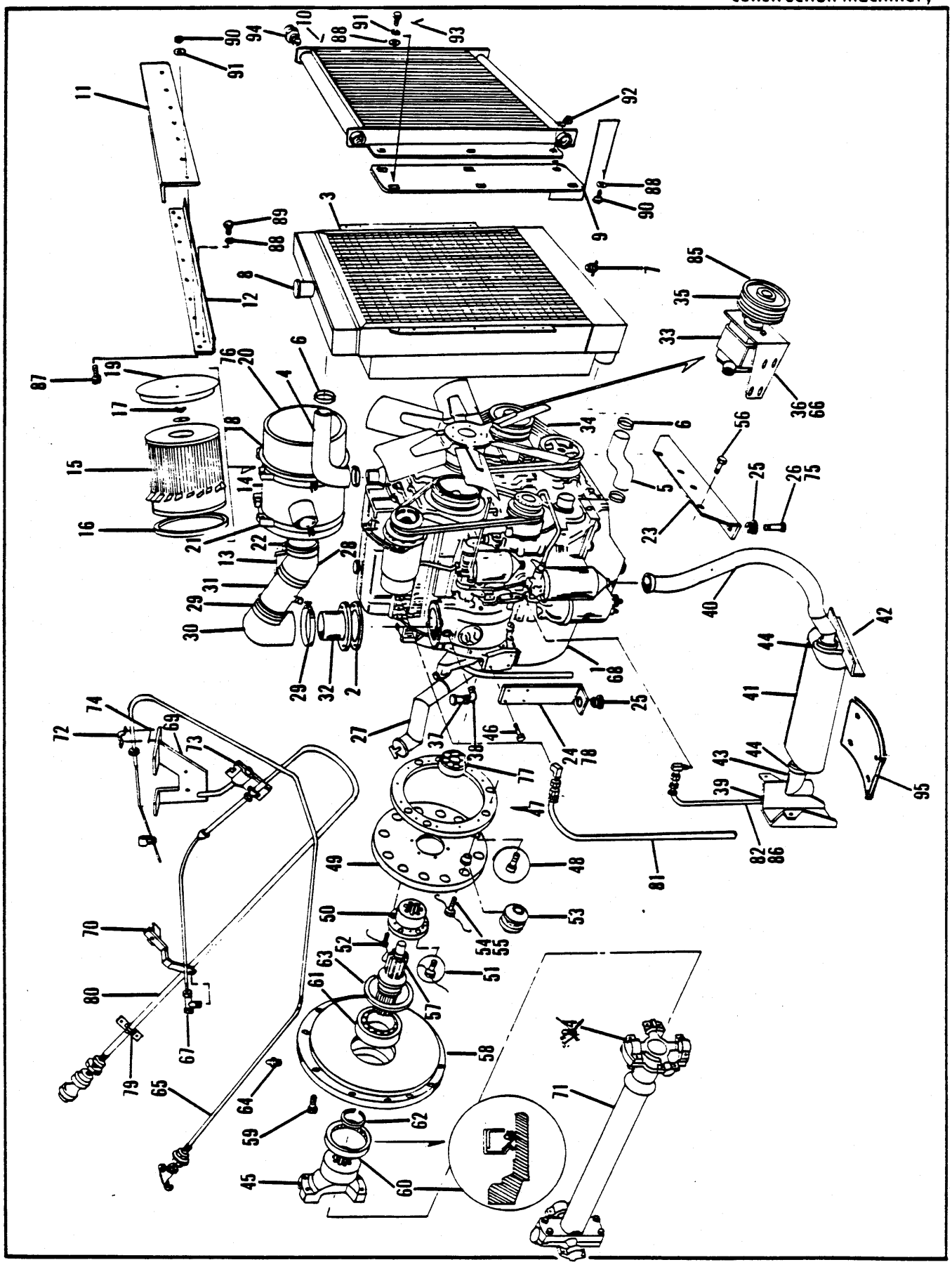
Item No.	Part Number	Description	No. Req'd.
54	- - - - -	Fuel Filter (Ref. only) (See Engine Parts Book)	–
55	298-105-93	H.T. Cap Screw 3/8" x 1¼"	2
	398-20000-37	Lock Washer 3/8"	2
56	298-126-93	H.T. Cap Screw 5/8" x 2½" U.N.C.	2
	298-2066-71	Flanged Lock Nut 5/8"	2
	298-41-97	Hardened Washer 5/8"	1
57	298-124-93	H.T. Cap Screw 5/8" x 1¾"	4
	398-20000-41	Lock Washer 5/8"	4
58	298-51-98	Check Valve, Fuel Line, Suction	1
59	102-30785-1	Guard – Muffler	1
60	102-10505-1	Clamp – Muffler	1
61	102-10506-1	Hanger – Muffler	1
	298-101-93	Cap Screw 5/16" x 1"	4
	398-20000-64	Lock Washer 5/16"	4
	398-11000-18	Nut 5/16"	4
62	102-10509-1	Travel Cable Bracket	1
63	298-158-47	Cable Clamp	1
	298-245-47	Shim	2
64	102-10185-1	Tube Clamp	3
65	298-9027-86	Hose Clamp	2
66	102-10487-1	Elbow 45°	1



DAMPER FOR POWER UNIT AND DRIVELINE FOR PUMP DRIVE CASE MODEL SP1100 VIBRATORY ROLLERS WITH OPTIONAL JOHN DEERE POWER UNIT

Item No.	Part Number	Description	No. Req'd.
1	- - - - -	Cap Screw 3/8" x 1¼"	12
2	- - - - -	Lock Washer 3/8"	18
3	102-10523-14	Lock Nut (*K40014)	10
4	- - - - -	Countersunk Hex Pipe Plug 1/8"	1
5	298-5208-2	Cover – Flywheel Housing (*T30600)	1
6	298-7529-34	Snap Ring (*M3649 T)	2
7	102-10522-1	Drive Shaft Assy. W7 Brg. & Snap Ring AT25469	1
8	298-371-2	Bearing Assembly (*AR48751)	1
9	102-10523-1	Damper Assy. (*AT30428)	1
10	298-159-93	Special Cap Screw (*T20843)	6
11	102-10523-10	Drive Plate – Damper (*T31326)	1
12	102-10523-11	Mounting – Rubber (*AT29665)	5
13	102-10523-12	Driven Plate – Damper (*AT42693)	1
14	102-10523-13	Special Washer (*T20168)	10
15	298-3121-68	Oil Seal (*AT21693)	1
16	298-6084-91	"U" Joint Yoke (5C) (**AT25145)	1
17	298-6083-91	Drive Shaft (No. 5C No Slip, 18-3/8" Center to Center Mechanics No. **2A-23974-1)	1
18	102-4540-19	Spider & Bearing Assembly (Mechanics No. **114-5100A)	2

* John Deere OEM Sales – Moline, Illinois part numbers.
** Mechanics Division of Borg Warner Corp. – Rockford, Illinois part numbers.



GENERAL MOTORS DIESEL POWER OPTION – AIR CLEANER
EXHAUST SYSTEM – STEERING PUMP – FLYWHEEL ADAPTER
SP1100 DUAL VIBRATING DRUM COMPACTOR

Item No.	Part Number	Description	No. Req'd.
1	102-10526-1	General Motors Diesel Engine Series 4-53 Model 5043-7001 (See Engine Parts Book)	1
2	- - - - -	Gasket, Air Inlet Housing (General Motors #5124405) (Reference only)	1
3	102-6518-1	Radiator	1
4	102-9120-1	Radiator Hose, Upper	1
5	298-5573-68	Radiator Hose, Lower	1
6	298-9027-86	Hose Clamp, 1-13/16" to 2¾"	4
7	298-20-98	Radiator Drain Cock, ¼" N.P.T.	1
8	298-5177-92	Radiator Cap (Included in Item 7)	1
9	102-10793-1	Support, Oil Cooler	2
10*	102-10785-1	Oil Cooler (Hydraulic)	1
11	102-10790-1	Rubber Baffle	1
12	102-10791-1	Back-Up Bar	1
13	102-9100-6	Quick Edge Trim, 20" lg.	1
14	298-5209-92	Air Cleaner 12" (Includes Items 15 thru 20)	1
15	102-9121-2	Element (Donaldson P11-7431)	1
16	102-9485-20	Gasket (Donaldson P01-8462)	1
17	102-9485-21	Thumb Screw (Donaldson P01-6984)	1
18	102-9485-22	Clamp Assy. (Donaldson P10-0810)	1
19	102-9485-23	Baffle (Donaldson P10-6329)	1
20	102-9485-24	Cup Assembly (Donaldson P10-6589)	1
	102-9485-25	Cup Gasket (Donaldson P01-7335)	1
21	298-5210-92	Mounting Band, Air Cleaner	2
22	298-9019-86	Air Cleaner Hose Clamp, 2-9/16" thru 3½"	1
23	102-30828-1	Front Engine Support	1
24	102-30829-1	Rear Engine Support (As Illustrated)	1
25	298-5515-68	Rubber Engine Mount	4
26	298-161-93	Special Cap Screw, ½" x 3", Zinc Plated	4
	298-39-97	Hardened Structural Washer	8
27	502-8528-80	Extension, Oil Filler	1
28	298-5211-92	Rubber Elbow 45°, 4" I.D.	1
29	298-9026-86	Hose Clamp, 3-9/16" to 4½"	4
30	298-5092-92	Elbow, Rubber 90°, 4" I.D.	1
31	102-10719-1	Air Inlet Tube	1
32	502-8526-80	Adapter Tube, Air Intake	1
33	102-7949-1	Pump, Hydraulic, Steering (Vickers #VTM42-60-75-15-MD-R1-14) (See Separate Illustration)	1
34	298-7084-91	"V" Belt – Set of 2 (Steering)	1
35	102-30614-1	Sheave, Hydraulic Steering Pump	1
36	102-4786-1	Bracket, Steering Pump	1
37	298-92-47	Ether Cup	1
	398-14000-1	Red. Bushing, ¼" x 1/8", Outside Hex	1
38	398-14001-28	Street Elbow, 1/8" x 90°	1
39	102-30830-1	Guard, Exhaust Pipe	1
40	502-20251-80	Exhaust Pipe	1
41	298-5212-92	Muffler	1
42	102-10540-1	Muffler Support	1
43	502-8525-80	Exhaust Elbow	1
44	298-205-47	Clamp, Exhaust Pipe	2
45	102-30910-1	Yoke	1
46	298-115-93	H.T. Zinc Plated Cap Screw, ½" x 1¾"	8
	398-20000-39	Lock Washer ½"	8
47	*102-3283-1	Adapter, Flywheel	1
48	*398-2006-65	H.T. Socket Head Nylok Cap Screw, 3/8" x 1¼"	6
49	*102-5164-2	Drive Plate	1
50	*102-10556-1	Drive Hub	1
51	*102-7362-1	Drilled Cap Screw, 5/16" x ¾"	6
	398-20000-64	Lock Washer 5/16"	6
	- - - - -	Soft Iron Wire, 16 Ga. x 14" lg.	1
52	102-10557-1	Drilled Cap Screw, 3/8" x 1", H.T.	6
	- - - - -	Soft Iron Wire, 16 Ga. x 14" lg.	1
53	*102-7361-1	Joint (Center Bonded)	12
54	102-7360-1	Drilled Cap Screw, 5/16" x 1¼"	12
55	398-2000-64	Lock Washer 5/16"	12
	- - - - -	Soft Iron Wire, 16 Ga. x 43" lg.	1
56	298-112-93	H.T. Zinc Plated Cap Screw, 7/16" x 1½"	2
	398-20000-38	Lock Washer 7/16"	2
	298-114-93	H.T. Zinc Plated Cap Screw, ½" x 1½"	2
57	*102-30831-1	Torsional Damper Shaft	1

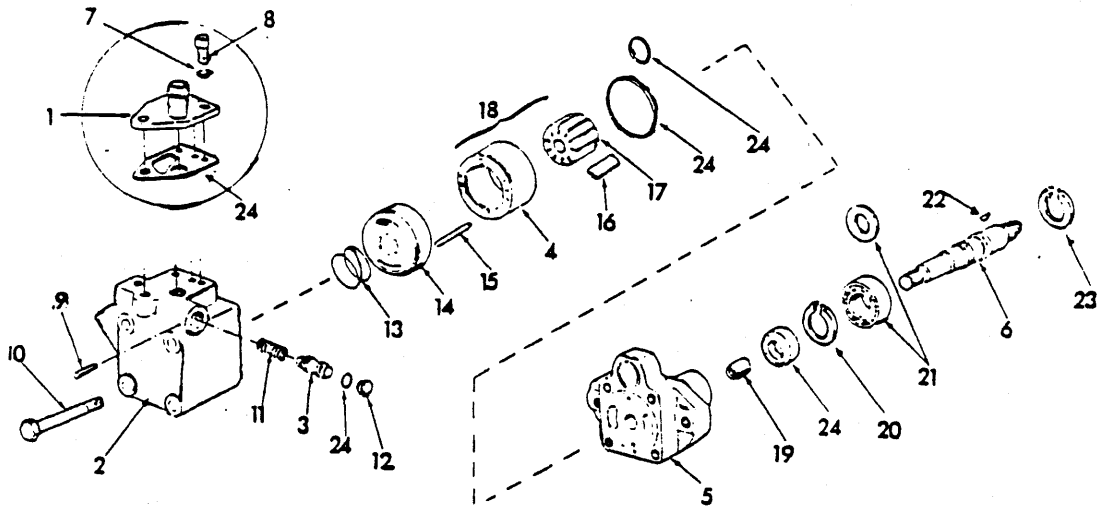
*Used on Serial Number 181 and up.

GENERAL MOTORS DIESEL POWER OPTION – AIR CLEANER
EXHAUST SYSTEM – STEERING PUMP – FLYWHEEL ADAPTER
SP1100 DUAL VIBRATING DRUM COMPACTOR
(Continued)

Item No.	Part Number	Description	No. Req'd.
58	*502-6740-80	Adapter Plate & Bearing Carrier	1
59	298-106-93	H.T. Zinc Plated Cap Screw, 3/8" x 1½"	12
	398-20000-12	Lock Washer, 3/8", Zinc Plated	12
60	*298-3116-68	Oil Seal (CR No. 26211)	1
61	*298-372-2	Ball Bearing (SKF6210-RS) (MRC 210-SZ)	1
62	*298-8530-34	Retaining Ring, External	1
63	*298-7013-34	Snap Ring	1
64	398-8000-26	Grease Fitting #1930	1
65	102-7957-4	Cable (Engine Shutdown)	1
66	398-2001-82	Cap Screw, 3/8" x 1½"	4
	398-2001-79	Cap Screw, 3/8" x 1¼"	2
	398-20000-37	Lock Washer 3/8"	6
	398-20000-23	Cut Washer 3/8"	4
67	298-263-47	Ball Joint (Cable End)	1
68	- - - - -	Miscellaneous Engine Parts (Not Illus.)	–
	298-2066-56	Sending Unit, Oil Pressure	1
	298-2067-56	Sending Unit, Water Temperature	1
	398-14000-13	Red. Bushing, ½" x 3/8"	1
69	502-4625-80	Bracket, Cable Mounting (Governor & Pull to Stop)	1
70	502-2980-80	Control Arm (Governor)	1
71	102-30911-2	Drive Shaft	1
72	298-335-47	Cable Clamp, Throttle	1
73	298-157-47	Bracket, Cable Clamp	1
74	298-245-47	Shim	2
75	298-2063-71	Large Flange Lock Nut, ½-13	4
76	298-6509-68	Indicator, Air Cleaner	1
77	298-268-2	Bearing, Ball w/Seals	1
78	102-30829-2	Rear Engine Support w/Notch for Starter Clearance (Opposite of Illustration)	1
79	298-146-47	Cable Clamp, Throttle	1
80	102-9874-2	Control Cable, Vernier, Throttle	1

Item No.	Part Number	Description	No. Req'd.
81§	502-2786-81	Hose Assy. (Fuel Return)	1
	X7896	Reducing Bushing, ½" x ¼"	1
	298-6508-96	Street Elbow, ¼" x 90°	1
82§	502-1341-90	Hose Assy. (Suction Line)	1
	X7896	Reducing Bushing, ½" x ¼"	1
	298-6508-96	Street Elbow, ¼" x 90°	1
83	102-30899-1	Bracket for Traction Pump Control Cable (Bolted to Engine Governor) (Not Illustrated)	1
	398-2001-46	Cap Screw, ¼" x 1" w/Cut Washer	2
84	~~102-30912-2~~	~~Spider & Bearing (4 Blocks) (5C) (–114-5177)~~	~~2~~
85	398-11000-41	Nut ½", U.N.F.	1
	398-20000-25	Cut Washer ½"	1
	398-20000-47	External Shakeproof Lock Washer ½"	1
86	§298-51-98	Check Valve	1
87	298-19-93	Flat Hd. Cad. Plated Self-Locking Machine Screw, 3/8" x 1"	7
88	398-20000-66	Zinc Plated Cut Washer 3/8"	16
89	398-11000-19	Hex Nut 3/8"	7
90	298-103-93	Zinc Plated Hex Head Heat Treated Cap Screw, 3/8" x ¾"	10
91	398-20000-37	Lock Washer 3/8"	4
92	298-2065-71	Cad. Plated Flanged Lock Nut 3/8"	13
93	298-104-93	Zinc Plated Heat Treated Hex Head Cap Screw, 3/8" x 1"	6
94	298-2141-62	Straight Adapter, 1" N.P.T.F. x 1-5/16" J.I.C.	2
95	102-10506-1	Muffler Hanger (Belting)	1
	298-101-93	H.T. Zinc Plated Cap Screw 5/16" x 1"	4
	398-20000-64	Lock Washer 5/16"	4
	398-11000-18	Hex Nut 5/16"	4

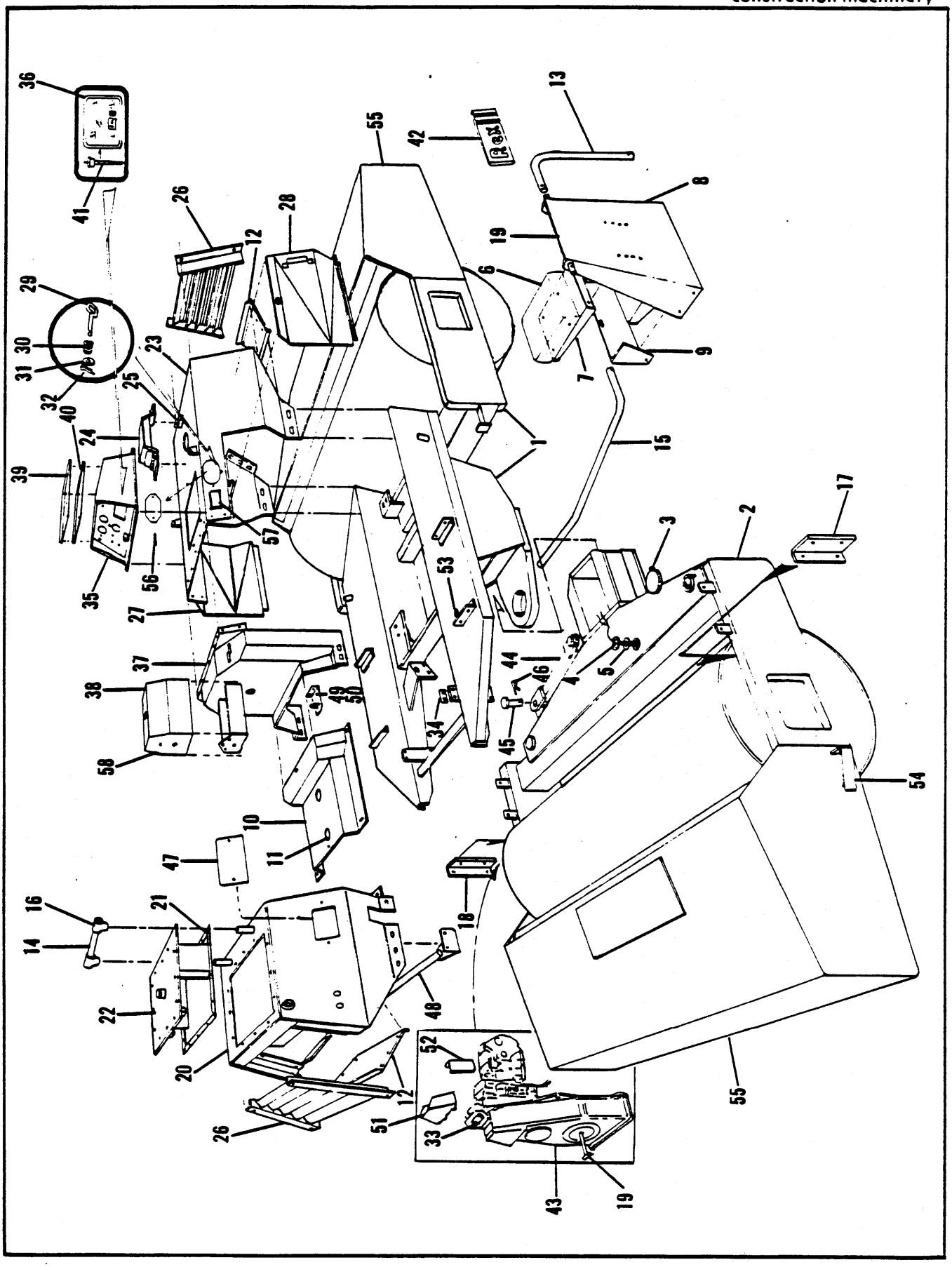
* Comparative size exaggerated for clarity.
§ For fuel system – not illustrated.



HYDRAULIC PUMP – STEERING
VICKERS PART NUMBER VTM42-60-75-20-MD-R1-12
REX PART NUMBER 102-7949-1

Item No.	Part Number	Description	No. Req'd.
1	102-7949-10	Manifold Sub-Assembly (*281409)	1
2	102-7949-11	Cover Sub-Assembly (*286613)	1
3	102-7949-12	Control Valve Sub-Assembly (*232799)	1
4	102-7949-13	Ring (*296599)	1
5	102-7949-14	Body Sub-Assembly (*296601)	1
6	102-7949-15	Shaft (*250455)	1
7	102-7949-16	Washer (*28931)	1
8	102-7949-17	Screw (*199144)	3
9	102-7949-18	Pin (*32559)	1
10	102-7949-19	Screw (*171523)	4
11	102-7949-20	Spring (*170072)	1
12	102-7949-21	Plug (*175049)	1
13	102-7949-22	Spring (*245507)	1
14	102-7949-23	Pressure Plate (*276396)	1
15	102-7949-24	Pin (*154364)	2
16	102-7949-25	Vane Kit (*922594) (10 pcs.)	1
17	102-7949-26	Rotor (*213859)	1
18	102-7949-27	Cartridge Kit (*923092)	1
19	102-7949-28	Bearing (*222440)	1
20	102-7949-29	Snap Ring (*106641)	1
21	102-7949-30	Bearing (*148423)	1
22	102-7949-31	Key (*1606)	1
23	102-7949-32	Snap Ring (*172376)	1
24	102-7949-33	Seal Kit (*922904)	1

* Vickers Incorporated, P.O. Box 302, Troy, Michigan 48084 part numbers.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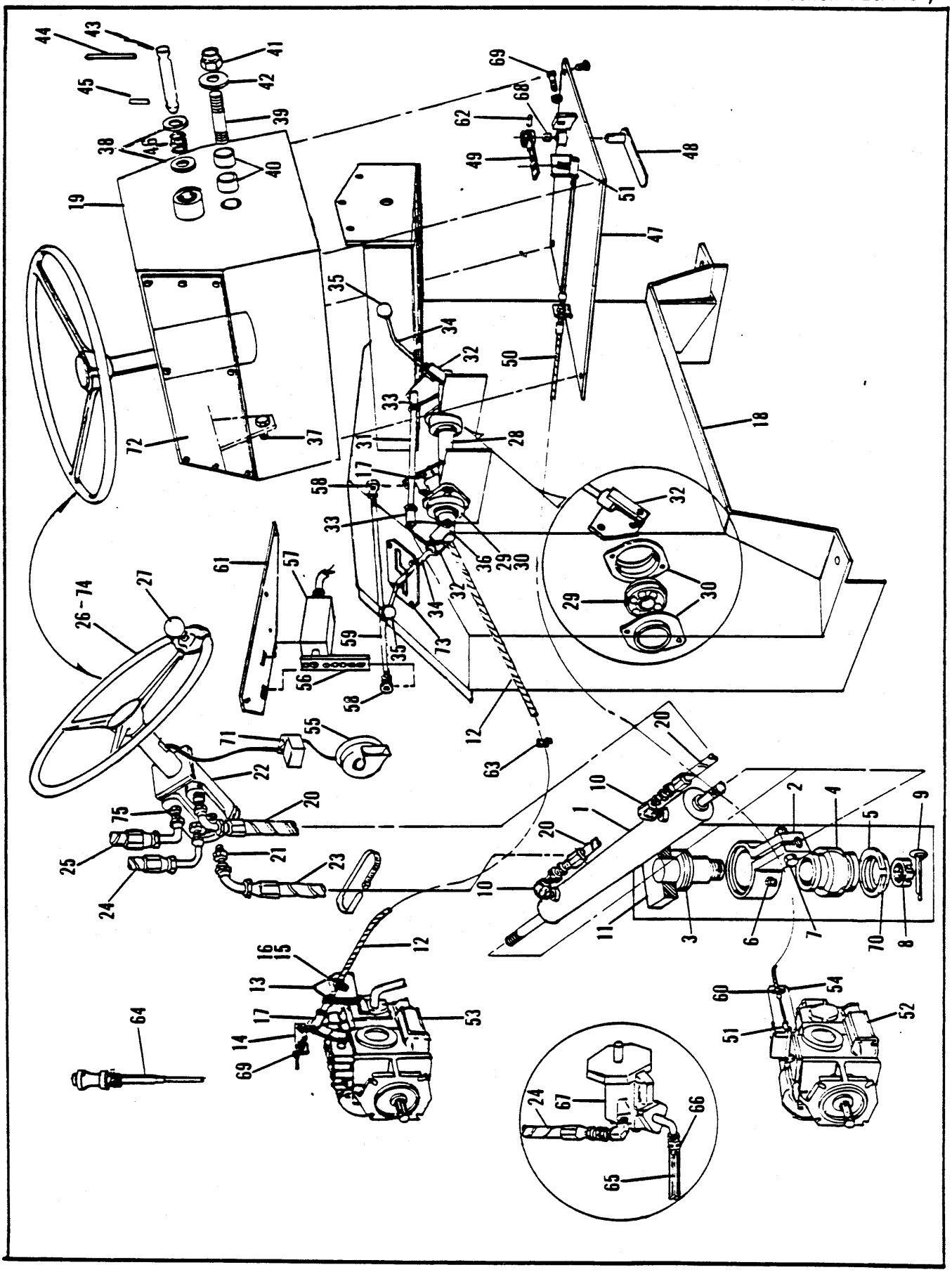
FRAMES, GUARDS, ENGINE HOUSING, HYDRAULIC & FUEL TANK, ELECTRIC CONTROL CONSOLE OPERATORS SEATS

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	502-01737-80	MAIN&ROLL FRAME WELDMENT	1
1	502-07136-80	MAIN FRAME REF. ONLY	1
1	502-06579-80	ROLL FRAME REF. ONLY	1
1	502-08475-80	BALL STUD FOR STEERING CYL.	1
1	502-08496-80	STEP WELDED TO ROLL FRAME	1
1	502-08496-81	STEP WELDED TO ROLL FRAME	1
1	102-10421-01	HOSE BRACKET	2
2	502-20088-80	FUEL TANK & ROLL FRAME WELDMENT	1
2	502-06579-81	ROLL FRAME	1
2	502-06582-80	FUEL TANK & CROSS HOUSING	1
2	102-10421-01	HOSE BRACKET	4
3	502-02799-80	FILLER CAP W/LUG	2
4	298-02116-56	SENDING UNIT, FUEL INDICATOR	1
5	298-02511-86	GASKET-SENDING UNIT	1
6	102-09914-01	SEAT	2
7	502-20101-80	SEAT PLATFORM	1
7	298-00113-93	H.T. ZINC PLATE C.S. 1/2" X 1"	16
7	298-00039-97	WASHER 1/2" HARDENED	16
7	298-02063-71	LOCKNUT 1/2-13 LARGE FLANGE	16
8	502-20102-80	FRAME SEAT	2
9	102-30655-01	ACCESSORIES DOOR	2
10	502-06667-80	DRIVE LINE COVER	1
11	298-00121-17	PLUG BUTTON	2
12	102-30657-01	SPLASH PLATE	2
13	102-30768-01	RAIL PIPE	2
14	102-10455-01	RAIL PIPE	1
15	102-30769-01	RAIL PIPE	2
16	298-17011-86	SOCKET TEE 1: PIPE	2
17	102-10128-01	BRKT-ISOLATOR HSG.FOR ROLL 2"SIDE	4
18	102-50086-01	BRKT-ISOLATOR HSG.FOR ROLL 1-1/2"	4
19	502-08516-80	WRENCH-FORCE CHANGING	1
20	502-06610-80	HYDRAULIC TANK-40 GAL.	1
21	102-30656-01	GASKET-HYD. TANK	2
21	102-30656-02	GASKET-HYD. TANK	2
22	502-20100-80	COVER-HYD. TANK	1
22	398-02001-77	CAP SCREW 3/8" X 1" H.T.	12
22	398-20000-51	COPPER CUT WASHER 3/8"	12
23	502-06650-80	ENGINE HOOD	1
24	502-20103-80	RADIATOR CAP LOCK	1
25	102-10060-01	CLIP (WELDMENT)	1
26	502-06611-80	GRILLE	2
27	502-20453-80	PANEL-SIDE, ENGINE	1
28	502-20453-81	PANEL-SIDE, ENGINE	1
29	102-09607-01	CLIP-FASTENER	2
30	8608	COMPRESSION SPRING	2
31	398-20000-88	CUT WASHER 1/4"	2
32	398-30000-12	COTTER 1/8" X 3/4"	2
33	102-10497-01	BRAKE DISC SIDE GUARD	1

FRAMES, GUARDS, ENGINE HOUSING, HYDRAULIC & FUEL TANK, ELECTRIC CONTROL CONSOLE OPERATORS SEATS

ITEM	PART NUMBER	DESCRIPTION	QTY.
34	102-10277-01	SHIM	8
34	102-10277-02	SHIM	4
35	502-06627-80	CONSOLE FOR ELEC. CONTROLS	1
35	102-10480-01	ELEC. CONTROL MODULE	1
36	102-04375-01	INSTRUMENT CLUSTER ASSY.	1
36	102-04375-11	AMMETER	1
36	102-04375-12	WATER TEMP. GAUGE	1
36	102-04375-13	OIL PRESSURE GAUGE	1
36	102-04375-14	FUEL GAUGE	1
36	102-04375-15	TACHOMETER	1
36	102-04375-16	GLASS	1
36	102-04375-16	BEZEL	1
37	502-06658-80	CONSOLE-STEERING	1
38	502-20145-80	COLUMN - STEERING WHEEL	1
39	102-10453-01	COVER - CONSOLE	1
40	102-10439-01	GASKET - CONSOLE	1
41	102-30188-04	FLEXIBLE SHAFT-SPEEDOMETER	1
42	402-01749-02	NAME PLATE	2
43		TRACTION DRIVE GEAR CASE	2
44	402-08513-80	LOCK-STEERING	1
45	402-08082-80	PIN-STEERING LOCK	2
46	298-00131-47	HAIRPIN-STEERING LOCK	1
46	398-03000-23	COTTER PIN 3/16" X 2-1/2"	1
46	102-11142-01	COVER	2
47	298-00103-93	H.T. ZINC PL. C.S. 3/8" X 3/4"	4
47	502-08514-80	SUPPORT-HOSE	1
48	502-08519-80	DRIVELINE PROTECTOR BRACKET	1
49	102-10504-01	"U" BOLT	1
50	398-11000-22	NUT 1/2"	4
50	398-20000-39	LOCK WASHER 1/2"	2
51	102-30787-01	GUARD-DISC BRAKE	2
52	102-10507-01	GUARD-SIDE DISC BRAKE	4
53	298-05527-68	GROMMET-BATTERY CABLES	1
54	102-10502-01	GUARD-GEAR CASE WELDMENT	2
54	502-06577-80	WATER TANK	2
55	102-10539-01	COVER PLATE	1
56	102-10671-01	COVER PLATE	2
57	298-00098-93	H.T. ZINC PL. C.S.1/4"X3/4"	4
57	398-11003-47	ZINC PLATED HEX NUT 1/4"	4
57	398-20000-36	LOCK WASHER 1/4"	4
57	102-10672-01	COVER-STEERING COLUMN	1
58	298-00101-93	CAPSCREW 5/16"X1" ZINC PLATED	6
58	398-20000-50	CUT WASHER 5/16"-ZINC PLATED	6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OPERATOR'S CONTROLS – FORWARD, REVERSE
VIBRATION OVERRIDE – POWER STEERING

Item No.	Part Number	Description	No. Req'd.
1	102-30292-1	Hydraulic Cylinder – Steering (See Separate Illustration)	1
2	102-30437-1	Housing – Ball Stud	2
3	59077	Washer	6
4	298-6806-8	Bushing – Radial	2
5	298-7527.34	Internal Snap Ring	2
6	398-8000-7	Alemite Fitting #1610B	2
7	398-2002-30	H.T. Cap Screw ½" x 2¼"	2
	398-20000-37	Lock Washer ½"	2
	398-11000-22	Nut ½" U.N.C.	2
8	398-11000-87	Castle Nut 1¼"	2
9	398-3000-68	Cotter Pin 3/16" x 2"	2
10	298-2171-62	Adapter 90° – ½" N.P.T.F. x ¾-16 J.I.C. (Anchor 8MA-8JMS)	1
11	502-8475-80	Ball Stud (Reference only)	2
12	102-10508-1	Control Cable (Morse Series 40, Part No. 43C156) Traction Pump Control 114" lg.	1
13	102-30772-1	Bracket – Traction Pump Control Cable	1
14	502-8510-80	Stop for Lever	1
15	298-158-47	Cable Clamp	1
16	298-245-47	Shim for Cable Clamp	1
17	X202821	Ball Joint ¼-28	2
18	502-6658-80	Console – Steering, Forward-Reverse	1
19	502-20145-80	Column – Steering Wheel	1
20	102-30745-1	Hose Assembly – ½" I.D. x 75" lg.	1
21	298-8110-86	Straight Adapter ¾-16, "O" Ring Male to ¾-16 Male J.I.C. (Anchor #8-BCO)	2
22	102-9236-1	Steering Valve (Char-Lynn "Orbitrol") (See Separate Illustration)	1
23	102-30745-2	Hose Assembly – ½" I.D. (S.A.E. 100R1) x 102" lg.	1
24	102-3701-13	Hose Assembly – ½" I.D. x 62" lg.	1
25	102-3701-5	Hose Assembly – ½" I.D. x 136" lg.	1
26	298-68-47	Steering Wheel	1
	298-9-71	Nut for Steering Wheel	1
	102-10757	Horn Button Kit (See Item 74)	1
27	298-278-47	Knob – Steering Wheel	1
28	*502-8511-80	Shaft – Travel Control (Bushed)	1
	*298-7019-8	Bushing 3/8" (Included in 502-8502)	2
29	298-314-2	Bearing (Fafnir #1103KLLB3)	2
30	298-315-2	Flangette Bearing Mount (Half) (Fafnir #62MST)	4
31	102-10286-1	Threaded Rod	1
32	*502-8483-80	Clevis for Travel Control Lever	2
33	X7887	Ball Joint 3/8"	2
34	102-10783-1	Lever – Travel Control	2
35	X204135	Ball Knob ½"	2
36	*102-10703-1	Drilled Pin	2
	*398-3000-8	Cotter Pin 3/32" x ¾"	2
	*398-20000-66	Cut Washer 3/8"	2
37	298-130-93	H.T. Zinc Plated Cap Screw ¾" x 2"	1
	298-42-97	Hardened Washer ¾"	1
	298-2067-71	Flanged Locknut ¾-10, Cad. Plated	2
38	298-42-97	Hardened Washer ¾"	2
39	102-10288-1	Special Stud	1
40	298-7018-8	Bronze Bushing	2
41	298-36-71	Cap Locknut ¾" U.N.C.	1
42	398-20000-10	Cut Washer 13/16" x 1½" x 9/64"	4
43	102-10299-1	Lock – Position, Console	1
44	298-6007-34	Roll Pin 5/16" x 2½"	1
45	298-6000-34	Roll Pin 5/16" x 1¼"	1
46	102-10454-1	Compression Spring	1
47	502-8508-80	Cover Steering Console	1
48	502-281-80	Control Lever – Manual Override	1
49	502-282-80	Lever – Manual Override	1
50	102-7245-12	Control Cable (Morse #33BC120) 120" lg.	1
51	298-135-47	Ball Joint #10-32 U.N.F.	2
52	602-188-1	Hydrostatic Pump w/Valve Consisting of:	2
	102-10457-1	Hydrostatic Pump (Sundstrand Series 22) (See Separate Illustration) Vibration Drive	2

OPERATOR'S CONTROLS – FORWARD, REVERSE VIBRATION OVERRIDE – POWER STEERING (Continued)

Item No.	Part Number	Description	No. Req'd.
52 (Cont'd.)	102-10399-1	Hydrotransmission Valve (Honeywell #V7058A1155)	2
	298-2525-68	Cover Gasket (Honeywell #134480) For Service only. Always include new gasket with 102-10399-1 Valve	1
53	102-10772-1	Hydrostatic Pump (Sundstrand Series 23) (See Separate Illustration) Traction Drive	1
54	102-30771-1	Bracket, Manual Override	1
55	102-9149-2	Horn	1
	102-9149-3	Nut for Horn	1
	102-9149-4	Bracket for Horn	1
56	102-10510-1	Arm, Limit Switch	1
57	298-6514-17	Limit Switch	1
58	298-276-2	Rod End	2
59	102-9913-3	Threaded Rod	1
60	298-146-47	Cable Clamp	1
	298-245-47	Shim	1
61	102-10481-1	Support, Air Cleaner & Limit Switch	1
62	298-6029-34	Roll Pin, 3/16" x 1¼"	1
63	102-7253-1	Cable Brake	1
64	102-9874-2	Vernier Control, 3" Travel (Throttle)	1
65	502-8501-84	Hose Assembly	1
66	298-9018-86	Hose Clamp	1
67	102-7949-1	Hydraulic Pump, Power Steering (Vickers #VTM42-60-75-15-MD-R1-14) (See Separate Illustration)	1
68	200049	Split Bushing (Included in Item 47)	1
69	398-17000-70	Square Head Set Screw, 3/8" x 1½"	2
70	102-10259-1	Washer	2
71	298-15018-17	Horn Relay	1
	102-10672-1	Cover, Steering Column	1
72	298-101-93	Cap Screw, 5/16" x 1", Zinc Plated	6
	398-20001-50	Cut Washer, 5/16", Zinc Plated	6
	102-30913-1	Guide Bracket – Travel Control	1
	298-103-93	Heat Treated Zinc Plated Cap Screw	
73*		3/8" x ¼"	8
	398-20000-37	Lock Washer 3/8"	8
	398-20000-66	Cut Washer, Zinc Plated 3/8"	8
	102-10757-1	Horn Button Kit (Ross Gear #465625) Consists of:	1
74	102-10757-2	Parts Group (Ross #454871)	1
	102-10757-3	Button (Ross #450029)	1
	102-10757-4	Cover (Ross #450066)	1
75	298-8187-86	Straight Adapter – Long	2

* Effective Serial Number 181.

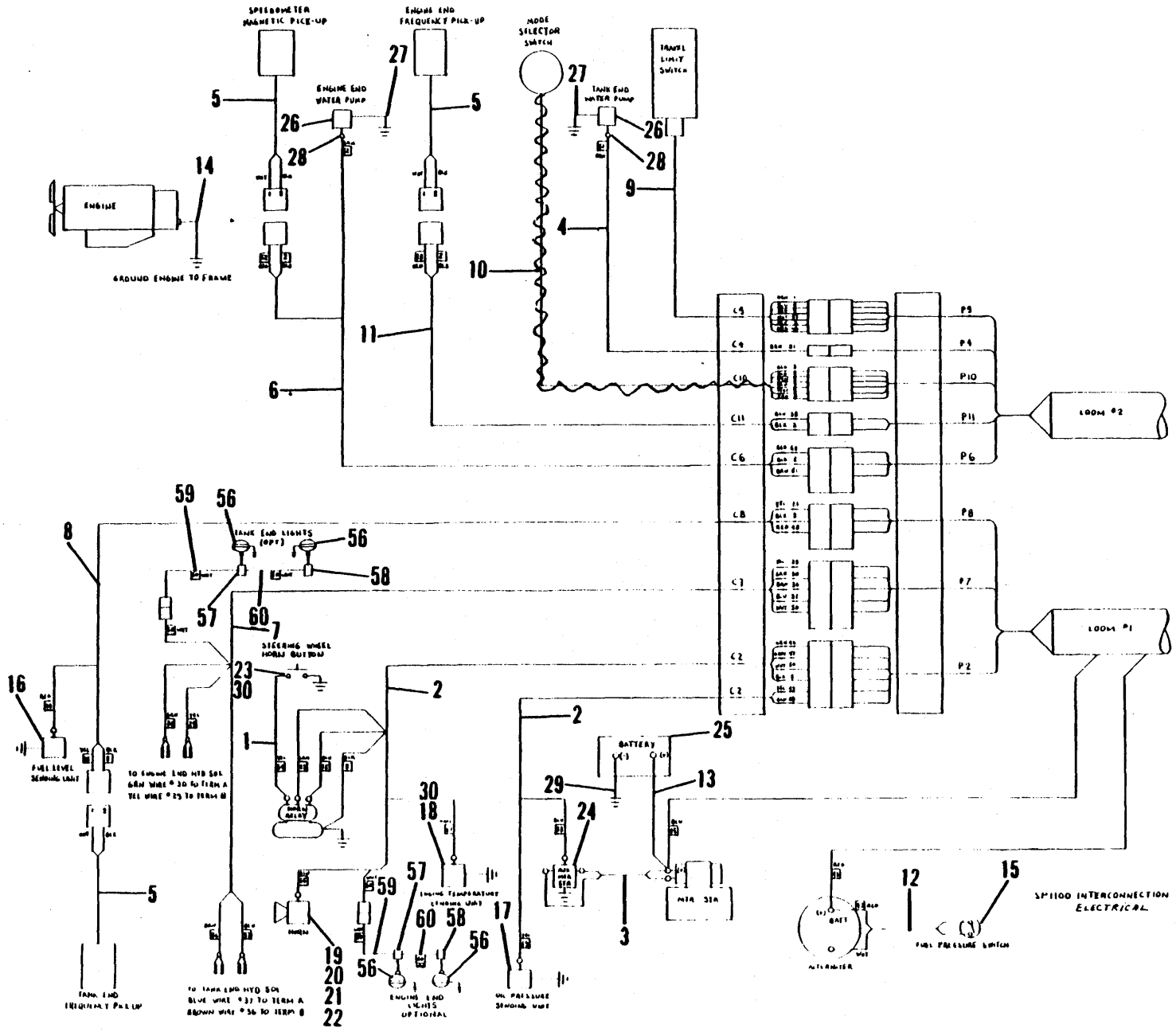
WIRING DIAGRAM – POWER UNIT – MAGNETIC PICKUPS, SPEEDOMETER, AMPLITUDE
HONEYWELL HYDROTRANSMISSION VALVE FOR VIBRATION DRIVE
HYDRAULIC PUMPS – INSTRUMENT PANEL
MODEL SP1100 VIBRATORY ROLLER

Item No.	Part Number	Description	No. Req'd.
1	298-15018-17	Horn Relay (Reference Only)	1
2	102-9149-2	Horn (Reference Only)	1
3	102-9148-1	Horn Button Kit (Reference Only)	1
4	298-12015-17	Flood Lamps	4
5	298-26086-17	Connector - 2 Wire - Bullet Type	1
6	102-30523-1	Wire Set for Lighting System	1
7	298-26087-17	Connector - 3 Wire - Bullet Type	3
8	102-6440-1	Water Pump (Reference Only)	2
9	298-26034-17	Terminal - Wire for ¼" Stud	2
10	102-9149-4	Horn Bracket	1
11	102-9149-3	Nut Bracket	1
15	102-10464-1	Cable - Battery (1 Ft. 0" Long)	1
16	102-8383-8	Cable - Battery (5 Ft. 2" Long)	2
18	298-2084-56	Eng. Temp. Sending Unit	1
19	298-2066-56	Oil Pressure Sending Unit	1
20	298-02116-56	Sending Unit Fuel Indicator	1
21	298-03254-17	Battery (72 Amp. Hour)	1
22	102-30673-3	Wire - Horn Button to Relay	1
23	102-30524-3	Wire - Horn Relay to Horn	1
24	102-30789-1	Wire - Horn Relay to Alter.	1
25	298-6067-17	Start Button	1
26	298-6176-17	Key Switch	1
27	298-5005-17	Circuit Breaker (20A.)	2
28	298-5004-17	Circuit Breaker (2A.)	1
29	102-4375-13	Oil Pressure Gauge	1
30	102-4375-11	Ammeter	1
31	102-4375-14	Fuel Gauge	1
32	102-4375-12	Water Temperature Gauge	1
33	298-6543-17	Solenoid Switch - Fuel Pump Shutoff	1
34	298-103-17	Magnetic Pickup - Speedometer - Frequency	3
35	102-10399-1	Hydrotransmission Valve - Vibration Drive Control	2

JOHN DEERE ONLY

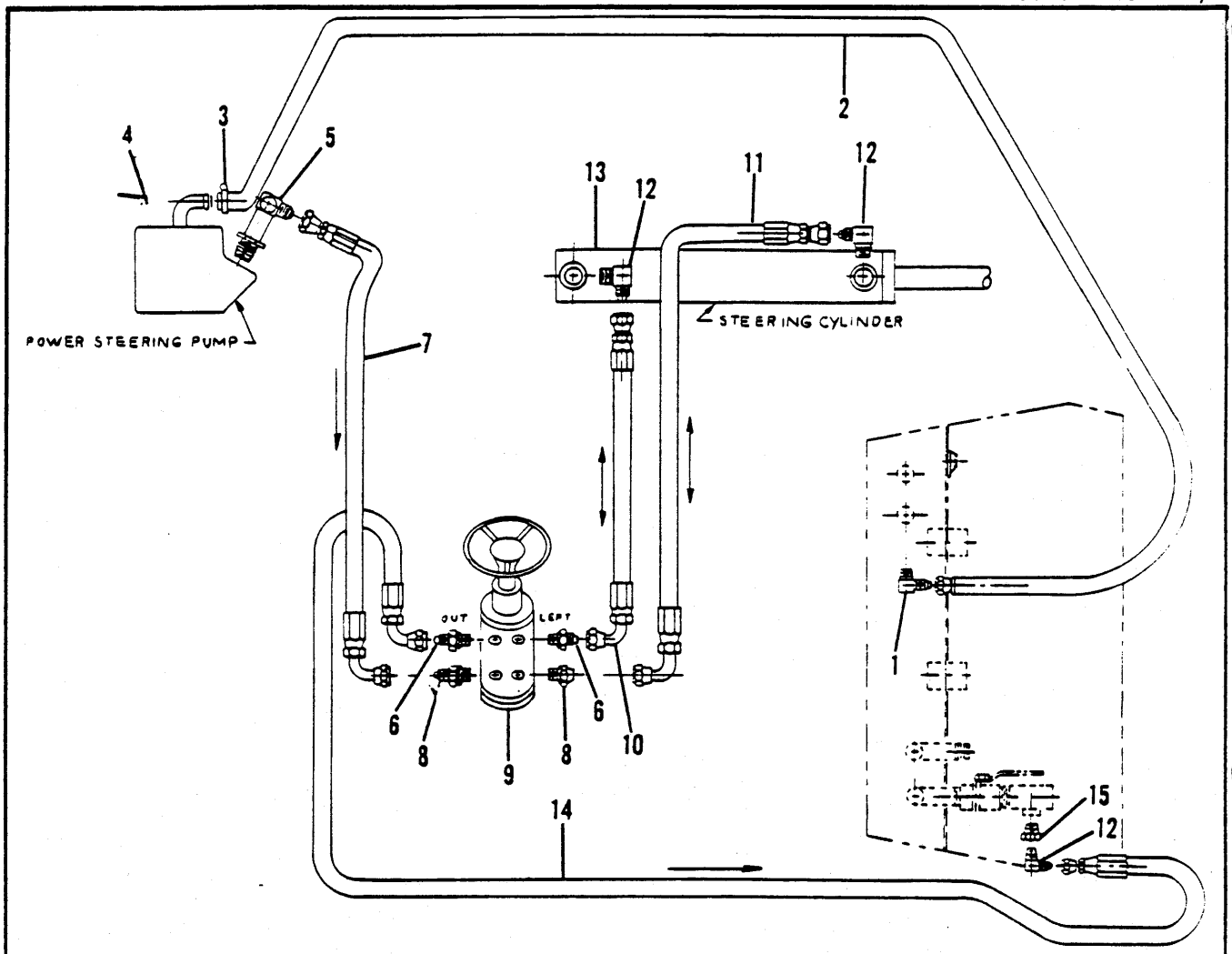
SERIAL NUMBER 126 TO 150

SERIAL NUMBER 151 AND UP



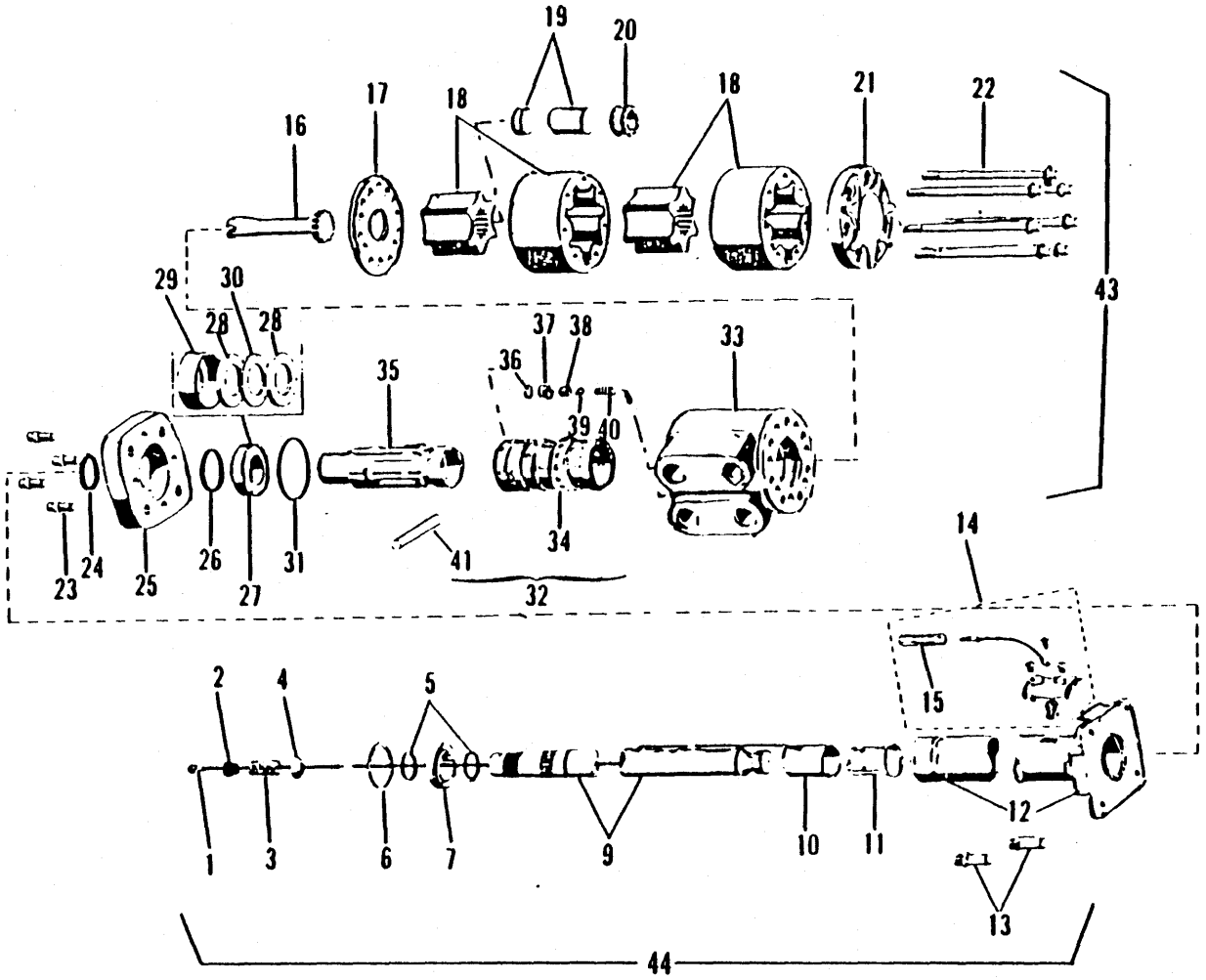
ELECTRICAL INTERCONNECTION
SP1100 VIBRATORY COMPACTOR

Item No.	Part Number	Description	No. Req'd.
1	502-8571-80	Cable 1 – Steering Wheel to Horn Relay	1
2	502-8572-80	Cable 2 – G.M. Engine Loom	1
3	102-9859-1	Cable – Aux. Mtr. Str. to Mtr. Str.	1
4	502-8573-80	Cable 4 – C.P. to Tank End Water Pump	1
5	502-8574-80	Cable 5 – Pig – Tail	3
6	502-8575-80	Cable 6 – C.P. to Eng. End w/Pump & Speed.	1
7	502-8576-80	Cable 7 – C.P. to Hyd. Sol's. & Lights	1
8	502-8577-80	Cable 8 – C.P. to Tank End Freq. & Fuel	1
9	502-8578-80	Cable 9 – C.P. to Travel L.S.	1
10			1
11	502-8580-80	Cable 11 – C.P. to Eng. End Freq.	1
12	502-8581-80	Cable 12 – Alt. to Fuel Pressure Sw.	1
13	102-8383-8	Cable – Battery (Red)	1
14	102-10464-1	Cable – Engine Ground	1
15	298-6540-17	Fuel Pressure Switch	1
16	298-2116-56	Fuel Indicator Sending Unit	1
17	298-2066-56	Oil Pressure Sending Unit	1
18	298-2084-56	Engine Temp. Sending Unit	1
19	102-9149-2	Horn	1
20	102-9149-3	Nut Bracket (For Horn)	1
21	102-9149-4	Horn Bracket	1
22	298-15018-17	Horn Relay	1
23	102-9148-1	Horn Button Kit	1
24	298-6543-17	Aux. Mtr. Str. Sol. Sw.	1
25	298-3255-17	Battery – 150 Amp. Hour	1
26	102-6440-1	Water Pump	2
27	298-26034-17	¼" Eye Terminal	2
28	298-26086-17	Connector – 2 Wire	2
29	102-8383-9	Cable Battery (White)	1
30	398-14000-13	Reducing Bushing ½" x 3/8"	1
		Note – Items 31 thru 55 Not Used	
		OPTIONAL HEADLIGHT COMPONENTS	
56	298-12015-17	Head Lights	4
57	298-26087-17	Connector – 3 Wire	2
58	298-26086-17	Connector – 2 Wire	2
59	502-8582-80	Cable – To Head Lights	2
60	502-8583-80	Cable – Between Head Lights	2



POWER STEERING HYDRAULIC SYSTEM
SP1100 VIBRATORY ROLLER

Item No.	Part Number	Description	No. Req'd.
1	298-8034-86	Adapter, Male 90°, 7/8" J.I.C., ½" N.P.T.	1
2	502-8501-84	Hose Assembly	1
3	298-9018-86	Clamp, Hose	1
4	102-7949-1	Pump, Hyd. Steering	1
5	298-8144-86	Fitting, Elbow	1
6	298-8187-86	Adapter, Str. Long, ¼" "O" Ring, ¼" J.I.C.	2
7	102-3701-13	½" I.D. Hose Assembly	1
8	298-8110-86	Adapter, Str., ¼" "O" Ring, ¼" J.I.C.	2
9	102-9236-1	Valve, Hyd. Steering Control	1
10	102-30745-1	Hose Assembly	1
11	102-30745-2	Hose Assembly	1
12	298-2171-62	Adapter 90°, ½" N.P.T., ¼" J.I.C.	3
13	102-302092-1	Cylinder, Hyd. 3"	1
	102-31008-1	Cylinder, Hyd. 4"	
14	102-3701-5	½" I.D. Hose Assembly	1
15	298-14508-86	Reducer, 1" x ½" N.P.T.F.	1



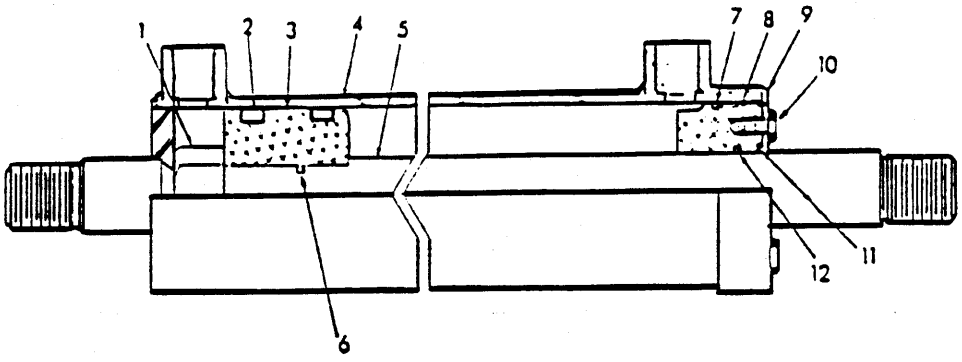
(C) FISCHE NO. 7 GRID A-24

ORBITROL STEERING VALVE — CHAR-LYNN

Item No.	Part Number	Description	No. Req'd.
—	102-09236-01	Steering Valve (Char-Lynn *YP12-SHF)	1
1	102-09106-10	Terminal & Wire (21142-1)	1
2	102-09106-11	Insulator Contact (*21138)	1
3	102-09106-12	Spring Contact (*5029)	1
4	102-09106-13	Washer Contact (*5028)	1
5	102-08077-21	Ring, Snap (*14092)	2
6	102-08077-22	Ring, Retainer (*5245)	1
7	102-08077-23	Bearing Assy. (*21146)	1
8	.....	Not Used	-
9	102-09106-14	Shaft Assy. (*6783)	1
10	102-09106-15	Ring, Contact (*21149)	1
11	102-09106-16	Insulator (*21151)	1
12	102-09106-17	Tube & Flange (*6785)	1
13	.....	Cap Screw ⅜ - 16 x ¾"	2
14	102-09106-18	Horn Brush Kit (*6414)	1
15	102-09106-19	Connector (*21173)	1
16	102-09106-20	Drive (*5126)	1
17	102-09106-21	Plate (*5414)	1
18	102-09236-10	Gear Set (*5664-8)	2
19	102-09236-11	Spacer (*5178)	1
20	102-09106-24	Spline (*5213)	1
21	102-09106-25	Cap, End (*6481)	1
22	102-09236-12	Cap Screw 12 pt. x 3" (*5389-14)	7
23	102-09236-13	Cap Screw ⅜"-18x⅞"(*21046-1)	4
24	**	Oil, Seal	1
25	102-09106-26	Plate, Valve Housing (*843)	1
26	**	Seal	1
27	102-09106-27	Bearing Kit (*64006) (Incls. 28, 29, 30)	1
28	102-09106-28	Race, Bearing (*5542)	2
29	102-09106-29	Locator, Bearing (*5543)	1
30	102-09106-30	Bearing, Thrust Needle (*5544)	1
31	**	"O" Ring	1
32	102-09106-31	Control Kit (*6419) (Incls. 33-41)	1
33	***	Housing	1
34	***	Sleeve	1
35	***	Spool	1
36	**	"O" Ring	1
37	102-09106-32	Plug Seal (*21124)	1
38	102-09106-33	Seat, Check (*859)	1
39	102-09106-34	Ball, Steel (*18026)	1
40	102-09106-35	Spring, Compression (*857)	1
41	102-09106-36	Pin, Centering (*15)	1
42	102-08077-16	Seal Kit (*5140) (Incls. 24, 26, 31, 36)	1

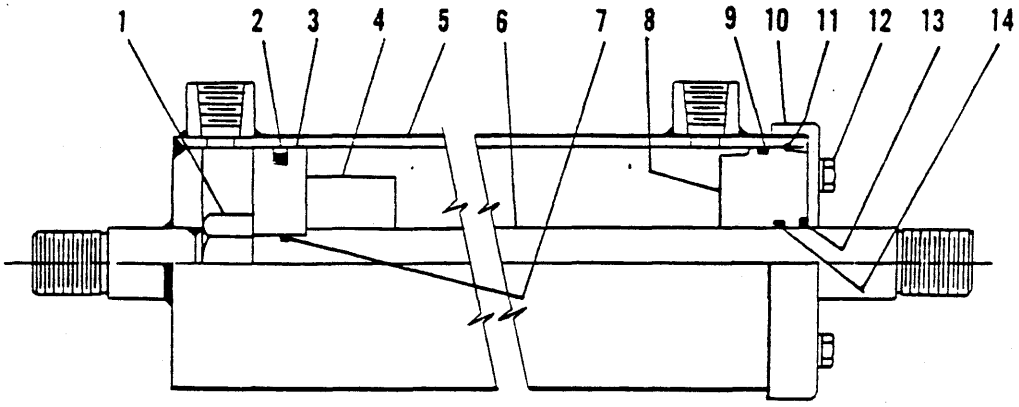
*Char-Lynn Co. part numbers
**Parts Included in Seal Kit, item 42.
***Parts Included in Control Kit, item 32 — Not Sold Separately.

(C) FISCHE NO. 7 GRID A-25



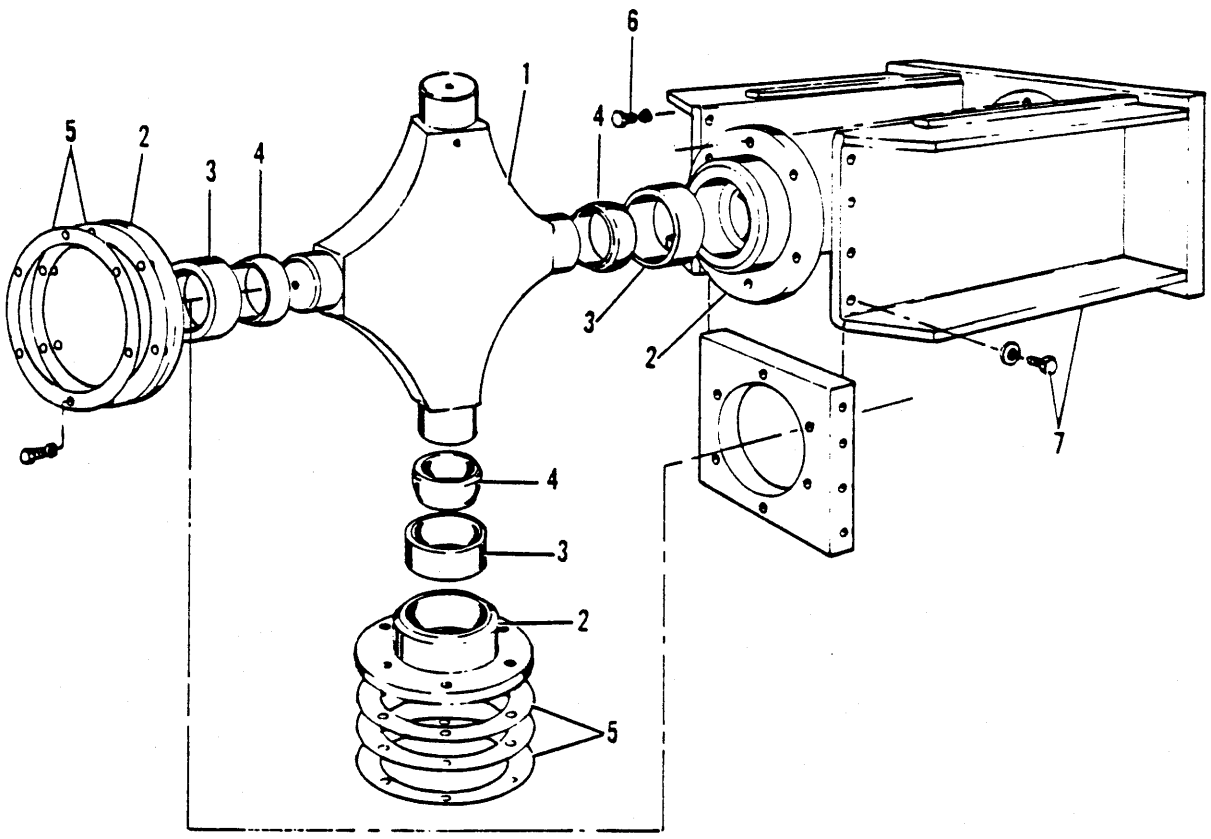
3" STEERING CYLINDER (GREEN)

Item No.	Part Number	Description	No. Req'd.
	102-30292-01	Steering Cylinder (Green #73-386) Incls. the following Service Parts	1
1	102-30292-11	Lock Nut	1
2	*102-30292-12	Poly-Pac	2
3	102-30292-13	Piston	1
4	102-30292-14	Barrel Assy.	1
5	102-30292-15	Rod	1
6	*102-30292-16	"O" Ring	1
7	*102-30292-17	"O" Ring	1
8	102-30292-18	Lock Wire	1
9	102-30292-19	Cap	2
10	102-30292-20	Cap Screw	2
11	*102-30292-21	Dust Seal	1
12	*102-04714-19	"O" Ring	1
—	102-30292-22	Seal Service Kit Incls. *Items 2, 6, 7, 11 & 12	1



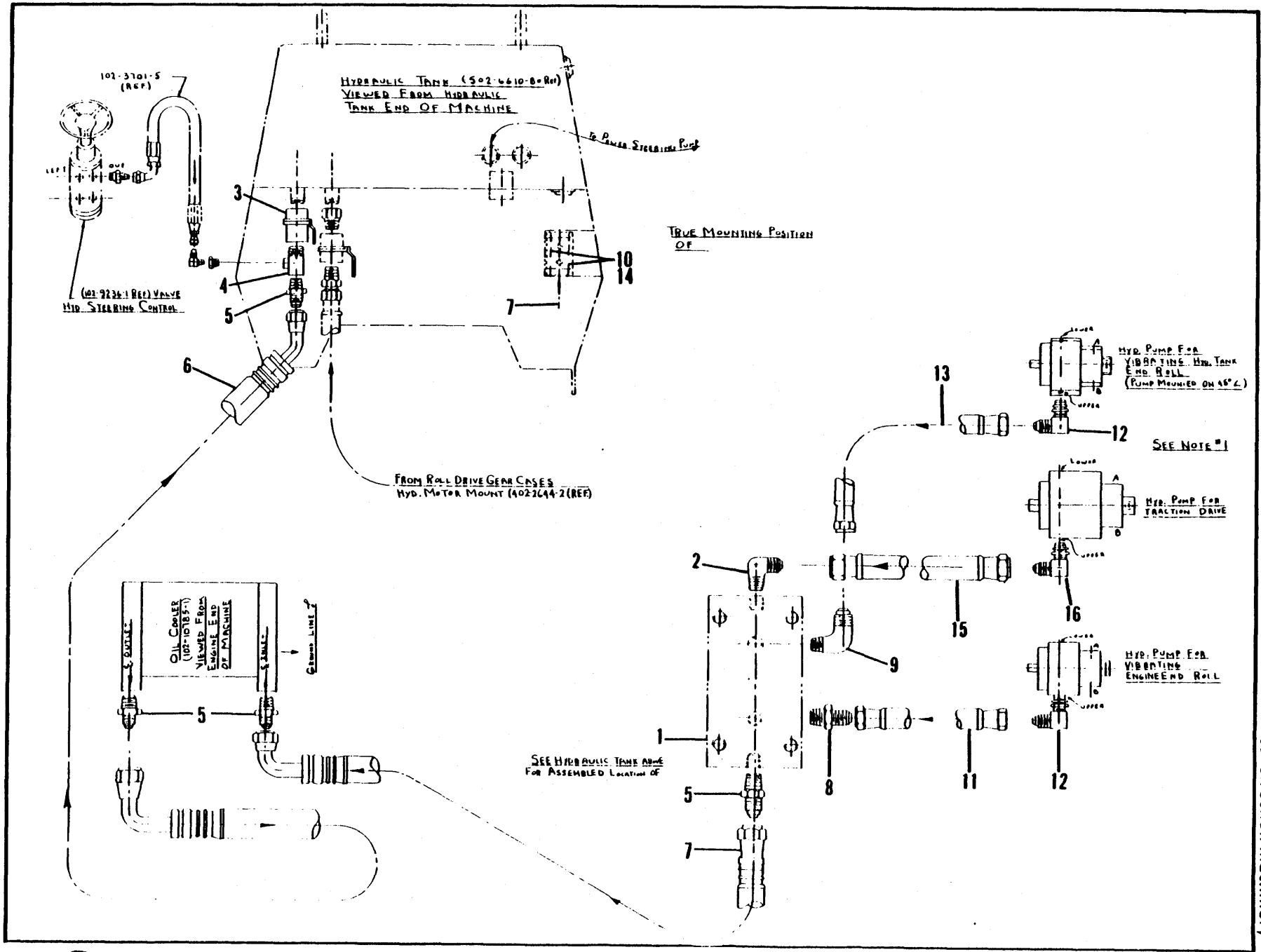
4" STEERING CYLINDER (GREEN)

Item No.	Part Number	Description	No. Req'd.
1	102-30292-11	Lock Nut	1
*2	102-31008-11	Piston Seal	1
3	102-31008-12	Piston	1
4	102-31008-13	Stop Tube	1
5	102-31008-14	Barrel Assy.	1
6	102-31008-15	Rod	1
*7	102-30292-16	"O" Ring	1
8	102-31008-16	Sleeve	1
*9	102-31008-17	"O" Ring w/Back-up	1
10	102-31008-18	Cap	1
11	102-31008-19	Lock Wire	1
12	102-31008-20	Cap Screw	2
*13	102-30292-21	Dust Seal	1
*14	102-31008-21	"O" Ring w/Back-up	1
*—	102-31008-22	Seal Service Kit Includes Items 2, 7, 9, 13 and 14	1



ARTICULATING CROSS ASSEMBLY
SP1100 VIBRATORY ROLL ASSEMBLY

Item No.	Part Number	Description	No. Req'd.
1	102-5430-1	Articulating Cross	1
2	402-1793-2	Bearing Retainer	3
3	298-357-2	Outer Ring – Thrust Bearing	4
4	298-358-2	Inner Ring – Thrust Bearing	4
5	298-10033-2	Plastic Shim .005" thick	8
	298-10034-2	Plastic Shim .075" thick	8
	298-10035-2	Plastic Shim .020" thick	6
6	398-2002-25	Heat Treated Cap Screw ½" x 1¾"	18
	398-20000-39	Lock Washer ½"	18
7	502-6604-80	Housing – Bearing & Cross – Part of 502-20088-80 Fuel Tank and Roll Frame Weldment (For Reference only)	1


102-3701-5 (REF)
HYDRAULIC TANK (502-6610-B-Ref) VIEWED FROM HYDRAULIC TANK END OF MACHINE
To Power Steering Pump
TRUE MOUNTING POSITION OF
(102-9236-1 Ref) VALVE HYD. STEERING CONTROL
FROM ROLL DRIVE GEAR CASES HYD. MOTOR MOUNT (402-2644-2 (REF))
OIL COOLER (102-1078-5-1) VIEWED FROM ENGINE END OF MACHINE
Grease Line
SEE HYDRAULIC TANK ABOVE FOR ASSEMBLED LOCATION OF
HYD. PUMP FOR VIBRATING HYD. TANK END ROLL (PUMP MOUNTED ON 45° ∠)
SEE NOTE #1
HYD. PUMP FOR TRACTION DRIVE
HYD. PUMP FOR VIBRATING ENGINE END ROLL
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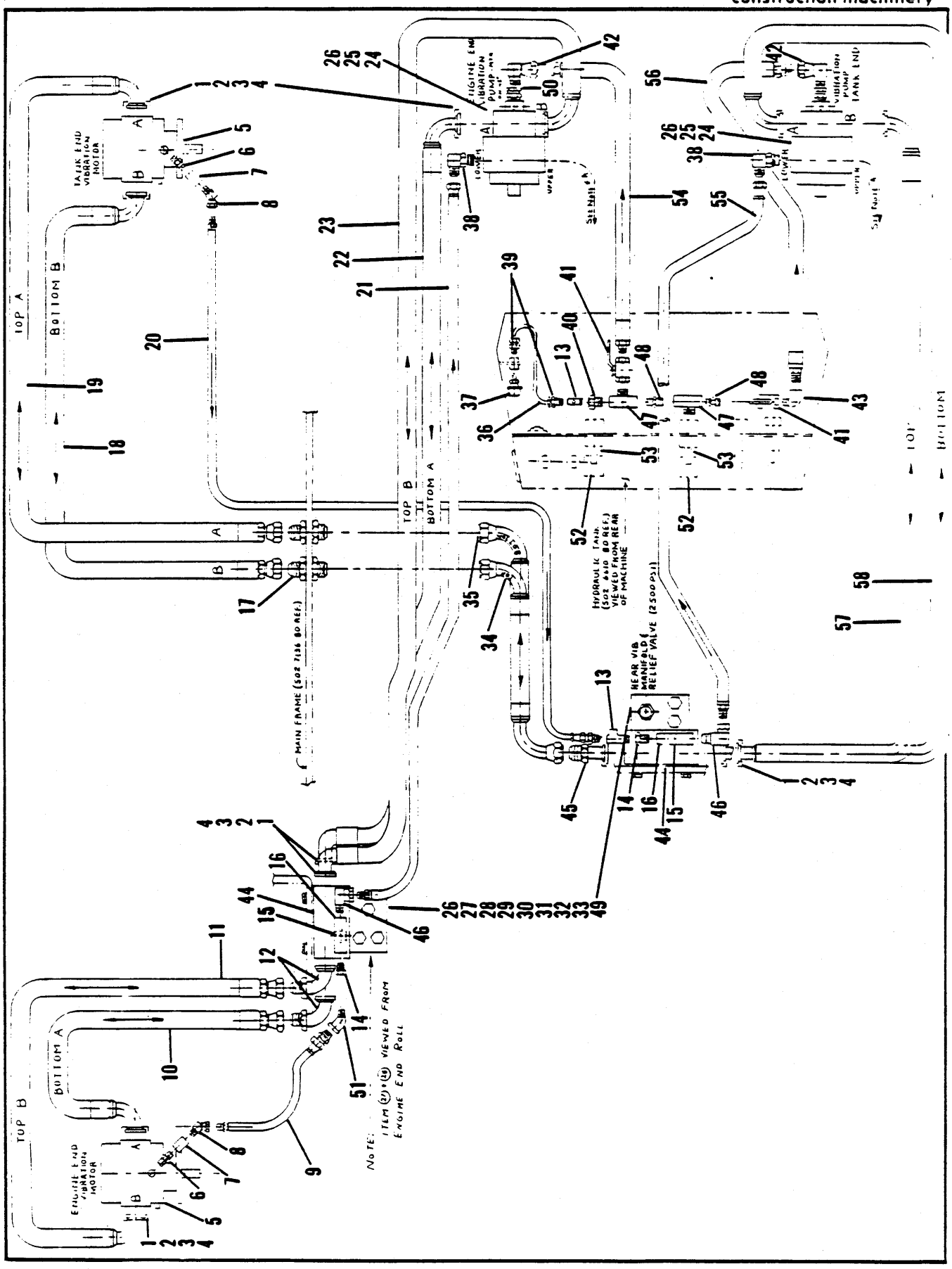
OIL RETURN LINE SCHEMATIC
HYDROSTATIC PUMPS THRU OIL COOLER TO HYDRAULIC TANK
SP1100 VIBRATORY ROLLERS EFFECTIVE SERIAL NO.

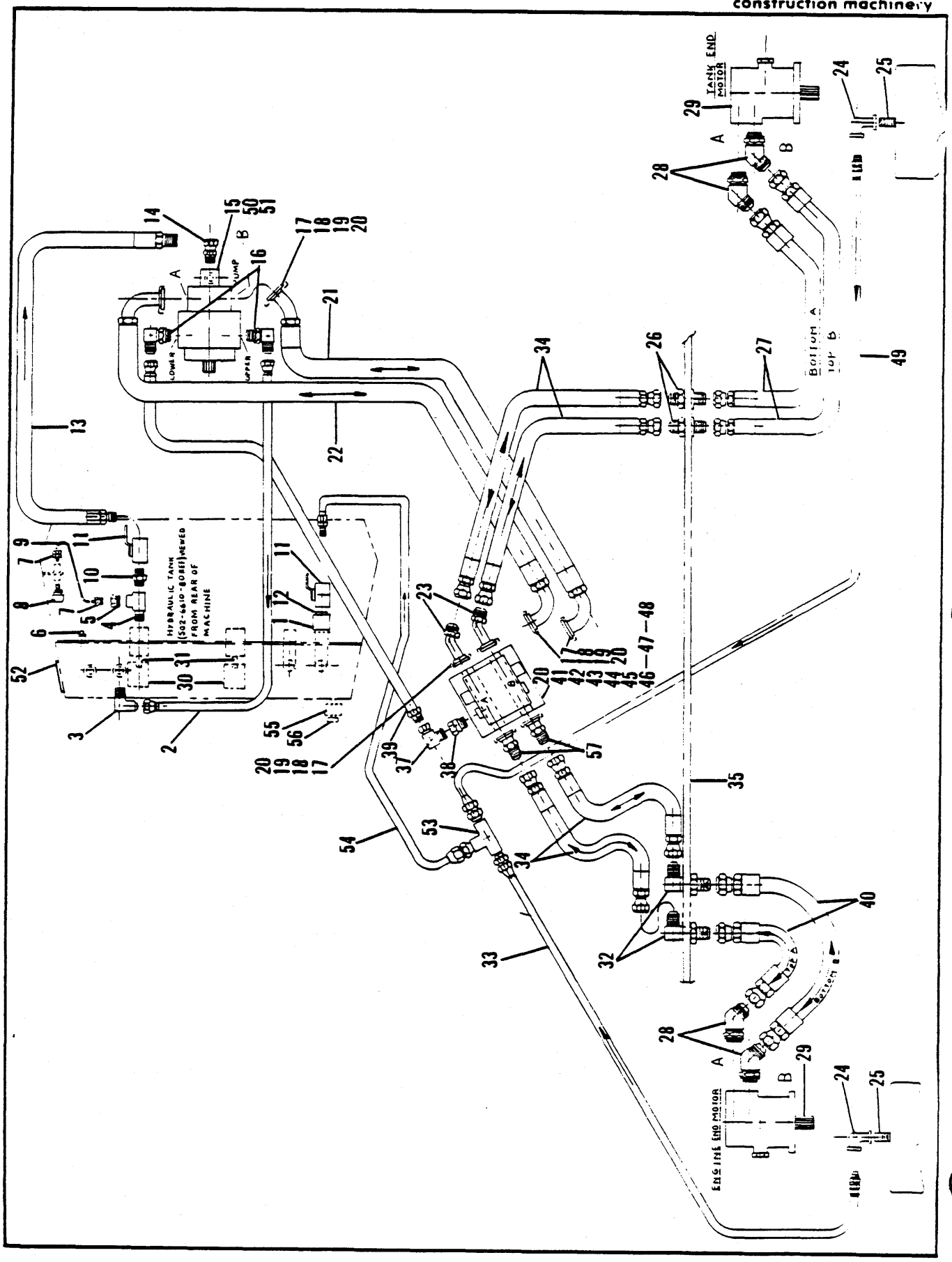
Item No.	Part Number	Description	No. Req'd.
1	102-50022-1	Manifold, Return Lines	1
2	298-6526-86	Adapter, 90° Elbow, ¾" N.P.T.F. x 1-1/16-12 J.I.C.	1
3	102-10763-1	Ball Valve 1"	1
4	298-17015-86	Service Tee, 1" N.P.T.F.	1
5	298-2141-62	Adapter, Straight, 1" N.P.T.F. x 1-5/16-12 J.I.C.	4
6	102-30946-1	Hose Assembly, 1" I.D. x 147" lg.	1
7	102-30947-1	Hose Assembly, 1" I.D. x 117" lg.	1
8	298-8199-86	Adapter, Straight, Male, ¾" N.P.T.F. x 7/8-14 J.I.C.	1
9	298-6562-86	Elbow, Male 90°, ¾" N.P.T.F. x 7/8-14 J.I.C.	1
10	398-20000-37	Lock Washer 3/8"	4
11	502-8619-80	Hose Assembly, 5/8" I.D. x 4'-0" lg.	1
12	298-8030-86	Male Adapter 90°, 7/8-14 "O" Ring x 7/8-14 J.I.C.	2
13	502-8619-81	Hose Assembly, 5/8" I.D. x 1'-3" lg.	1
14	298-104-93	Rd. Hd. Zinc H.T. Cap Screw, 3/8" x 1"	4
15	502-8614-80	Hose Assembly, ¾" I.D. x 60" lg.	1
16	298-8198-86	Male Adapter 90°, 7/8-14 "O" Ring x 1-1/16-12 J.I.C.	1


TOP A
BOTTOM B
TOP B
BOTTOM A
TANK END VIBRATION MOTOR
ENGINE END VIBRATION MOTOR
ENGINE END VIBRATION PUMP
TANK END VIBRATION PUMP
MAIN FRAME (502 718 80 REF.)
HYDRAULIC TANK (502 810 80 REF.) VIEWED FROM REAR OF MACHINE
REAR VIB MANIFOLD RELIEF VALVE (2500 PSI)
NOTE: ITEM (2) & (15) VIEWED FROM ENGINE END ROLL

VIBRATION HYDRAULIC SCHEMATIC
SP1100 VIBRATORY ROLL
EFFECTIVE SERIAL NO. HD181

Item No.	Part Number	Description	No. Req'd.
1	298-8033-86	1" Split Flange	32
2	102-1594-4	"O" Ring	16
3	398-2005-56	3/8" x 1¼" H.C.-H.T. Cap Screw	64
4	398-20000-37	3/8" Lock Washer	64
5	102-9832-1	Motor, Hyd.	2
6	298-12003-86	Nipple, ¼" N.P.T.F.	2
7	298-2275-62	Connector, Female Pipe, ¼" N.P.T.F.	2
8	298-2081-62	Union, 45° Adapter ¼"	2
9	502-1341-91	Hose Assembly, 3/8" I.D. x 7'-0" lg.	1
10	102-30741-2	Hose Assembly, 1" I.D. x 73" lg.	1
11	102-30741-5	Hose Assembly, 1" I.D. x 83" lg.	1
12	298-9061-86	Split Flange Adapter	2
13	298-17000-86	Service Tee, ¼" N.P.T.F.	2
14	X7896	Reducer	2
15	298-2248-62	Adapter	2
16	298-8155-86	Tee ½"	2
17	298-8180-86	Connector, Bulk Hd., 1-5/16"	2
18	102-30741-3	Hose Assembly, 1" I.D. x 94" lg.	1
19	102-30741-4	Hose Assembly, 1" I.D. x 103" lg.	1
20	502-1341-95	Hose Assembly, 3/8" I.D. x 11'-0" lg.	1
21	502-8501-82	Hose Assembly, 5/8" I.D. x 5'-6" lg.	1
22	102-30895-1	Hose Assembly, 1" I.D. x 64" lg.	1
23	102-30894-1	Hose Assembly	1
24	102-10784-1	Pump, Hyd. #22	2
25	398-2005-88	½" x 1¼" lg. Nylok H.C.-H.T. Cap Screw	8
26	298-39-97	½" Hardened Cut Washer	12
27	102-5254-1	Mounting Block	2
28	102-4365-90	Relief Valve, Manifold	2
29	102-4365-33	"O" Ring	2
30	102-4365-40	"O" Ring	4

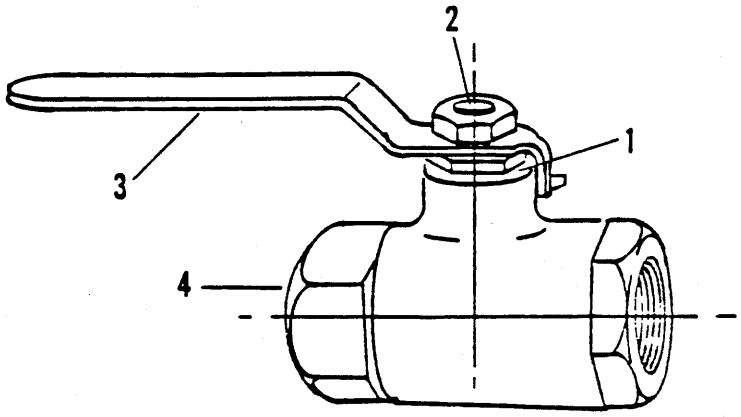
Item No.	Part Number	Description	No. Req'd.
31	102-4365-41	Back-Up Ring	4
32	398-2006-79	5/16" x 3¼" H.T. Cap Screw	12
33	398-95001-81	5/16" Lock Washer	12
34	102-30744-1	Hose Assembly, 1" I.D. x 13½" lg.	1
35	102-30744-2	Hose Assembly, 1" I.D. x 17-1/8" lg.	1
36	398-99004-35	Tube, Copper, ¼" O.D. x 17" lg.	1
37	298-2086-56	Gauge, Vacuum	1
38	298-8030-86	Fitting, Adapter	2
39	298-15-1	Connector, Tube	2
40	298-14503-86	Reducer, ¾" N.P.T.F. x ¼" N.P.T.F.	1
41	102-10762-1	Valve, Ball ¾"	2
42	298-2068-62	¾" N.P.T. Union, 90° Adapter (Swivel)	2
43	298-6501-86	90° El, Street, ¾" N.P.T.F.	1
44	102-10492-1	Manifold Spacer	2
45	298-8181-86	Adapter, Straight	2
46	298-2075-62	Union, 90° Adapter	2
47	298-8161-86	Tee ¾"	2
48	298-12002-86	Nipple ¾"	2
49	398-2002-19	½" x 1¼" H.T. Cap Screw	4
50	298-8080-86	Str. Adapter, 7/8" "O" Ring x ¾" N.P.T.	2
51	298-6509-86	¼" N.P.T.F., 45° Str. Elbow	1
52	298-133-53	Oil Filter	2
53	102-8510-1	Tube, Oil Reservoir	2
54	102-3849-4	Hose Assembly, ¾" I.D. x 16½" lg.	1
55	502-8501-80	Hose Assembly, 5/8" I.D. x 2'-6" lg.	1
56	102-3849-6	Hose Assembly, ¾" I.D. x 24" lg.	1
57	102-30736-1	Hose Assembly, 1" I.D. x 39" lg.	1
58	102-30737-1	Hose Assembly, 1" I.D. x 38" lg.	1


TANK END MOTOR
ENGINE END MOTOR
PUMP
LOWER
UPPER
HYDRAULIC TANK (502-6610-BOBE) VIEWED FROM REAR OF MACHINE
BOTTOM A
TOP B

PROPULSION HYDRAULIC SYSTEM
SP1100 VIBRATORY ROLLER
EFFECTIVE SERIAL NO. HD181

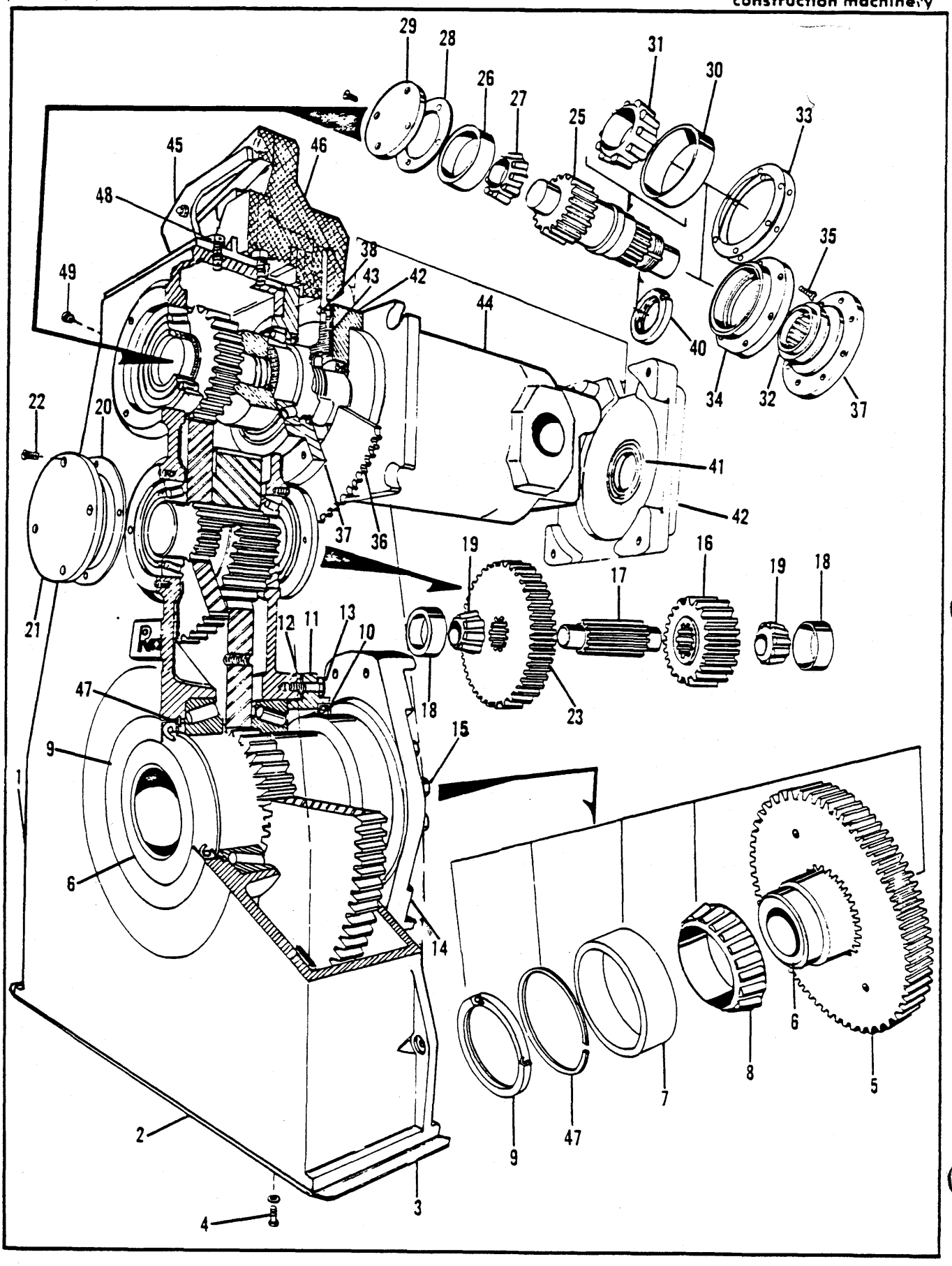
Item No.	Part Number	Description	No. Req'd.
1	398-14000-62	1" Pipe Coupling	1
2	502-8501-86	Hose Assembly	1
3	298-8034-86	Adapter 90°	1
4	298-2263-62	Tee, Service	1
5	298-14503-86	Reducer	1
6	298-13010-86	Plug, 1" Pipe, Magnetic	1
7	298-15-1	Connector	2
8	298-2086-56	Gauge, Vacuum	1
9	398-99004-35	Tube, Copper ¼" O.D. x 11" lg.	1
10	298-12002-86	Nipple ¾" N.P.T.F.	1
11	102-10762-1	Valve, Ball ¾" (See Sep. Illus.)	4
12	398-14000-22	1" x ¾" Red. Bushing (Galv.)	1
13	102-3849-5	Hose Assembly	1
14	298-8080-86	Adapter Str. 7/8" "O" Ring x ¾" N.P.T.	1
15	102-10458-1	Pump (See Separate Illustration)	1
16	298-8030-86	Fitting – Adapter	2
17	298-8033-86	Split Flange 1"	16
18	102-1594-4	"O" Ring, S.A.E. 1"	8
19	398-2005-56	3/8" x 1¼" H.C.-H.T. Cap Screw	32
20	398-20000-37	3/8" Lock Washer	35
21	102-30739-1	Hose Assembly 54" lg.	1
22	102-30738-1	Hose Assembly 54" lg.	1
23	298-8183-86	Adapter 45° El. 1" S.F.	2
24	398-14010-53	Reducing Elbow 3/8" x 90° (Galv.)	2
25	398-14006-87	Nipple 3/8" x 1½" T.O.E. (Galv.)	2
26	298-8179-86	Connector, Bulk Hd.	2
27	102-30742-2	Hose Assembly	2
28	298-8178-86	Adapter, 45° El, Adj.	4

Item No.	Part Number	Description	No. Req'd.
29	102-10398-1	Motor, Hyd. (See Sep. Illus.)	2
30	298-133-53	Oil Filter	2
31	102-8510-1	Tube – Oil Reservoir	2
32	298-8176-86	Connector, Bulk Hd. 90°	2
33	102-30919-2	Hose Assembly 5/8ϕ x 9'-8"	1
34	102-30747-1	Hose Assembly, 39" lg.	4
35	502-736-80	Main Frame (Reference only)	1
36	298-2246-62	Tee, Service, ½" N.P.T.F.	1
37	— — —	—— · —— - —— -	–
38	298-2248-62	Adapter, 7/8" "O" Ring x ½" N.P.T.F.	1
39	502-8501-81	Hose Assembly	1
40	102-30742-1	Hose Assembly	2
41	102-5427-1	Mounting Block	1
42	102-4365-14	Relief Valve, Manifold [illegible] PSI	1
43	102-4365-33	"O" Ring	1
44	102-4365-40	"O" Ring	2
45	102-4365-41	Back-Up Ring	2
46	398-2006-79	5/16" x 3¼" lg. H.T. Cap Screw	6
47	398-95001-81	5/16" Lock Washer	6
48	398-2001-77	3/8" x 1" lg. H.T. Cap Screw	3
49	102-30919-1	Hose Assembly 5/8ϕ x 8'-2" lg.	1
50	398-2002-25	½" x 1.75" lg. H.T. Cap Screw	4
51	398-20000-25	½" Cut Washer	4
52	298-2108-56	Sight Plug	1
53	398-14010-54	½" x ½" x ¾" Red. Tee – Female	1
54	102-30918-1	Hose ¼" x 4'-6" lg.	1
55	102-10451-1	Cap Filler – Transmission	1
56	298-8001-89	Air Breather	1
57	298-8181-86	Adapter Str. 1" S.F. x 15/16-12	2



BALL VALVE – AT HYDRAULIC TANK
¾" REX PART NO. 102-10762-1 (WATTS NO. B-6000)
1" REX PART NO. 102-10763-1 (WATTS NO. B-6000)
REX MODEL SP1100 VIBRATORY ROLLER

Item No.	Part Number	Description	No. Req'd.
1	102-10762-2	Seal Kit, ¾" Valve	1
	102-10763-2	Seal Kit, 1" Valve – Each Set Consists of: Stem Packing, Thrust Washer, Seats	1
2	102-10762-3	Ball & Stem Kit, ¾" Valve	1
	102-10763-3	Ball & Stem Kit, 1" Valve	1
3	102-10762-4	Handle & Nut Kit, ¾" Valve	1
	102-10763-4	Handle & Nut Kit, 1" Valve	1
4	102-10762-5	Body, ¾" Valve	1
	102-10763-5	Body, 1" Valve	1
	102-10762-6	Adapter, ¾" Valve	1
	102-10763-6	Adapter, 1" Valve	1
	102-10762-7	Packing Nut, ¾" Valve	1
	102-10763-7	Packing Nut, 1" Valve	1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GEAR CASE ASSEMBLY – ROLL DRIVE
FOR SP1100 VIBRATORY COMPACTOR
ASSEMBLY PART NO. 602-10552-1 (2 REQUIRED)

Item No.	Part Number	Description	No. Req'd.
1	402-2643-2	Gear Case, Roll Drive	1
	298-13002-86	Cad. Plated Pipe Plug ¼" (Magnetized)	1
2	- - - - -	Form in Place Gasket (G.E. Silmate)	–
3	102-30731-1	Cover, Roll Drive Gear Case	1
4	398-20000-66	Zinc Plated Cut Washer	10
	298-104-93	Zinc Plated Cap Screw, 3/8" x 1"	10
5	402-1799-2	Output Gear	1
6	102-30726-1	Gear Hub	1
7	298-347-2	Bearing Cup	2
8	298-348-2	Bearing Cone	2
9	298-3119-68	Oil Seal	1
10	298-3112-68	Oil Seal	1
11	102-30733-1	Bearing Retainer	1
12	102-10124-1	Shim	6
	102-10124-2	Shim	6
	102-10124-3	Shim	2
13	298-105-93	H.T. Zinc Plated Cap Screw, 3/8" x 1¼"	6
	398-20000-37	Lock Washer 3/8"	6
14	402-1813-2	Roll Drive Yoke	1
15	298-41-97	Hardened Washer 5/8"	8
	298-149-93	U.N.F. Grade 8 Cap Screw, 5/8" x 2½"	8
16	102-30784-1	Gear, Intermediate, Roll Dr. Gear Case	1
17	102-31108-1	Intermediate Shaft	1
18	298-392-2	Bearing Cup	2
19	298-393-2	Bearing Cone	2
20	298-10039-2	Plastic Shim (.020")	2
	298-10040-2	Plastic Shim (.0075")	6
	298-10041-2	Plastic Shim (.005")	6
21	102-30730-1	Retainer, Bearing	2
22	298-73-93	Nylok Flat Head Cap Screw, 3/8" x 1"	12
23	402-719-2	Intermediate Gear	1
24	- - - - -	Not Used	1
25	502-20302-80	Pinion w/Plug	1
26	298-294-2	Bearing Cup	1
27	298-295-2	Bearing Cone	1

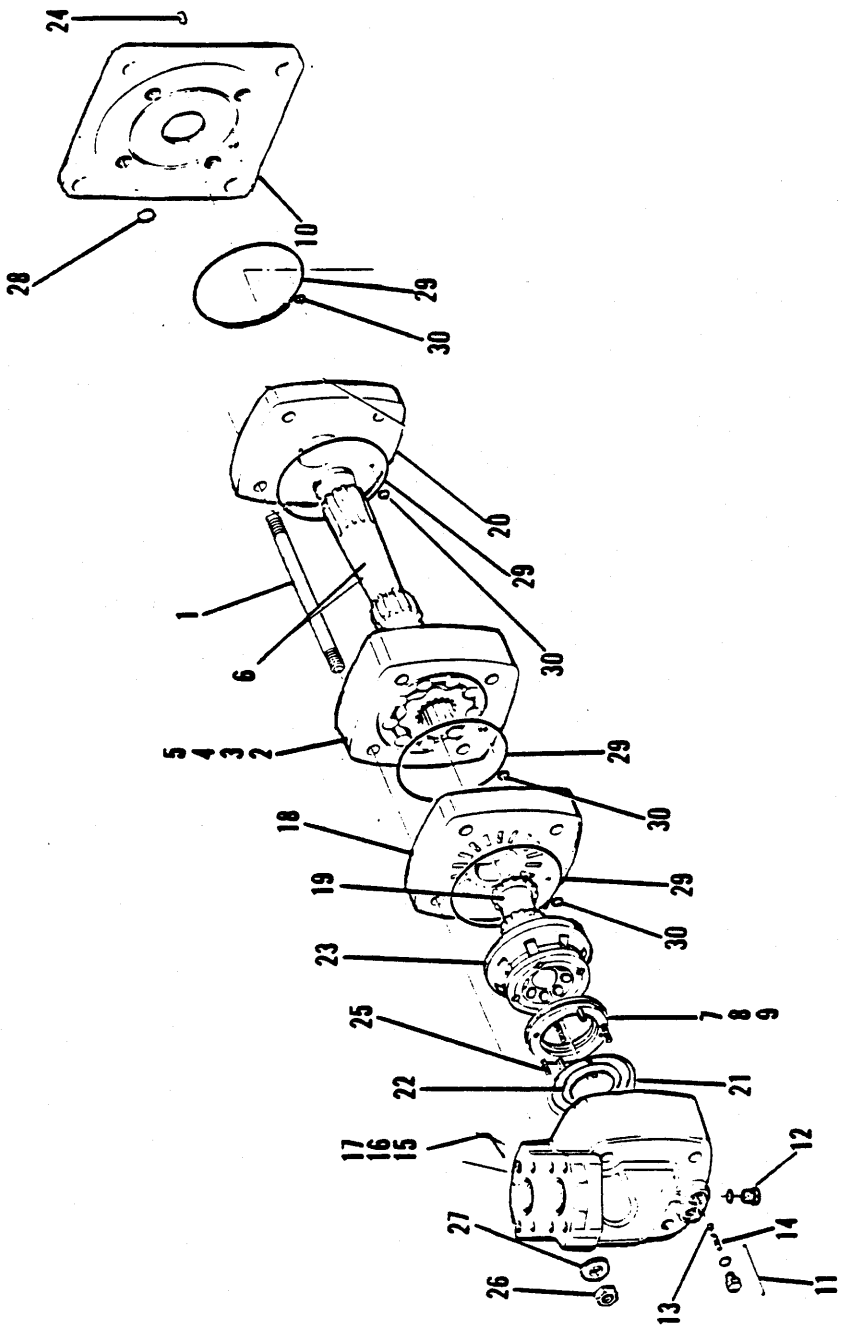
Item No.	Part Number	Description	No. Req'd.
28	102-10423-3	Plastic Shim	1
29	102-30732-1	Bearing Retainer	1
30	298-113-2	Bearing Cup	1
31	298-114-2	Bearing Cone	1
32	298-3120-68	Oil Seal	1
33	102-10125-1	Shim, .005" thick	6
	102-10125-2	Shim, .0075" thick	6
	102-10125-3	Shim, .020" thick	2
34	102-30728-1	Bearing Housing	1
35	298-68-93	Flat Head Cap Screw, Nylok, 3/8" x 1¼"	6
36	102-30762-1	Sprocket, 56T for Speedometer Pick-up	1
37	102-30743-1	Hub, Disc Brake	1
38	298-153-93	Grade 8 Flat Head Cap Screw, 3/8" x 1½"	8
39	- - - - -	Not Used	–
40	298-10031-2	Bearing Lock Nut	1
41	*298-3118-68	Oil Seal	1
42	402-2644-2	Motor Mount	1
	298-39-97	Structural Washer, ½" Hardened	4
	298-158-93	Heat Treated Zinc Plated Cap Screw ½" x 3¼"	4
43	*102-10126-1	Gasket	1
44	*102-10398-1	Hydraulic Motor – "Char-Lynn" #121-1007 (See Separate Illustration)	1
45	*502-20173-80	Brake Bracket	1
46	*102-10445-1	Disc Brake Assy. (Caliper Disc Brake – Minnesota Automotive Inc. Model)	1
47	*298-7530-34	Retaining Ring – Internal	1
*** 48	298-114-93	Cap Screw, ½" x 1¼"	3
	298-114-93	Cap Screw Drilled for Vent	1
‡49	298-2093-1	Breather Vent, ¼" N.P.T.F.	1

* Not Included in 602-10552-1 Gear Case Assembly.

** Caution: 298-3118-68 Oil Seal is supplied in two widths depending upon the vendar (.438" – C/R No. 21173) and (.500" – National No. 410303) For Serial No. HD181 and up always use .500" – National No. 410303 with 102-10651-1 Shim.

*** Not to be drilled after Serial No. 181.

‡ After Serial No. 181.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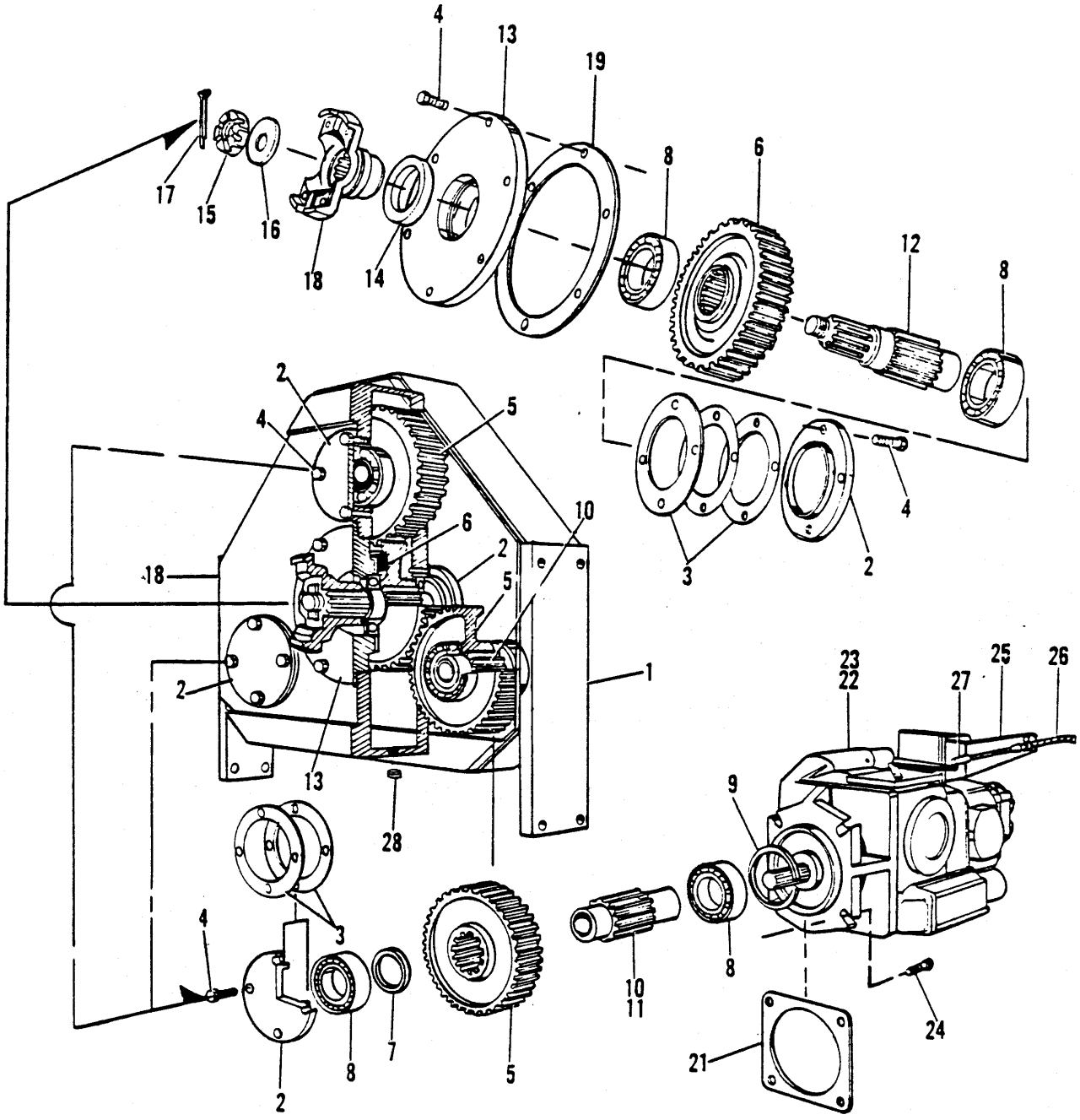
HYDRAULIC MOTOR — TRACTION DRIVE
REX PART NUMBER 102-11063-1
CHAR-LYNN NO. 121-1008
MODEL 1100 VIBRATORY ROLL

Item No.	Part Number	Description	No. Req'd.
1	102-11063-10	Stud, .625-18 U.N.F. — 2A (*6712-1)	4
2	102-11063-11	Gerotor Assy. — Includes Items 3, 4 and 5 (*8619-2)	1
3	102-11063-12	Ring (*6738-1) Included in Item 2	1
4	102-11063-13	Star (*6393) Included in Item 2	1
5	102-11063-14	Roller (*6183) Included in Item 2	1
6	102-11063-15	Drive Shaft — Output (*6395)	1
7	102-11063-16	Plate Balancing Assy. — Includes Items 8 and 9 (*6282)	1
8	102-11063-17	Plate Balancing (*6164) Included in Item 7	1
9	102-11063-18	Pin, Spring (*14166) Included in Item 7	2
10	102-11063-19	Flange — Mounting (*6746)	1
11	102-11063-20	Plug — Check Valve (*9070-002)	2
12	102-11063-21	Plug — Drain (*9070-005)	1
13	102-9106-34	Ball — Steel (*18026)	2
14	102-11063-22	Compression Spring (*6464)	2
15	102-11063-23	Valve Housing Assy. (*7957) Includes Items 16 and 17	1
16	102-11063-24	Valve Housing (*7916) Included in Item 15	1
17	102-9106-34	Ball (*18026) Included in Item 15	1
18	102-11063-25	Plate — Valve (*6737)	1
19	102-11063-26	Drive, Valve (*6168)	1
20	102-11063-27	Plate, Wear (*6739)	1
21	**102-11063-28	Seal, Outer Face (*6176)	1
22	**102-11063-29	Seal, Inner Face (*6177)	1
23	102-11063-30	Valve (*6792)	1
24	- - - - - - -	Pipe Plug, 1/8-27 N.P.T. (*14024)	1
25	102-11063-31	Spring — Compression (*6203)	4
26	- - - - - - -	Hex Nut 5/8-16 U.N.F. (*14228)	4
27	- - - - - - -	Washer 5/8" (*6717)	4
28	**102-11063-32	Seal "O" Ring (*15201)	4
29	**102-11063-33	Seal, Static Housing (*15041)	4
30	**102-11063-34	Seal, Static Case Drain (*15042)	4
31	102-11063-35	Seal Kit (*62009)	1

*Eaton Corporation Fluid Power Operations, Minneapolis Division, 15151 Highway 5 — Eden Prairie, Minnesota 55343 part numbers.
**Parts included in 102-10398-35 Seal Kit.

15151 Highway 5 – Eden Prairie, Minnesota 55343 part numbers.
** Parts included in 102-10398-35 Seal Kit.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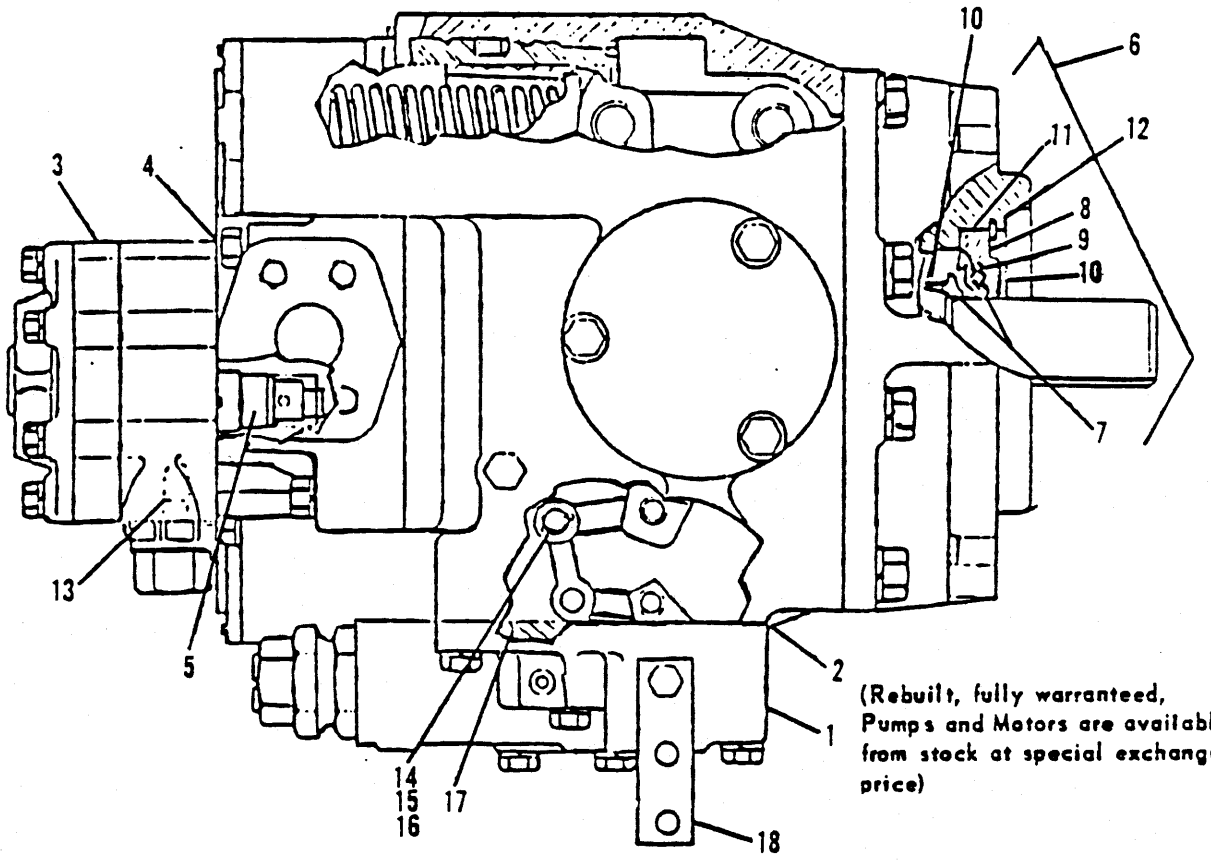
HYDRAULIC PUMP DRIVE GEAR CASE
SP1100 VIBRATORY ROLL ASSEMBLY
REX PART NO. 602-10560-1

Item No.	Part Number	Description	No. Req'd.
1	502-6709-80	Gear Case Shell	1
2	102-30750-1	Bearing Retainer	4
3	298-10012-2	Shim .005"	15
	298-10013-2	Shim .0075"	15
	298-10014-2	Shim .020"	5
4	298-154-93	Grade 8 Jaylok Cap Screw, 3/8" x 1¼"	22
5	402-510-3	Gear 54T	3
6	402-510-4	Gear 54T	1
7	102-30751-1	Spacer	3
8	298-366-2	Ball Bearing (SKF6210)	8
9	298-7013-34	Snap Ring	3
10	102-30651-1	Gear Sleeve (1-8460 Minor I.D. – of Splines) for Vibration Drive Pumps	2
11	102-30652-1	Gear Sleeve (1-3750 Minor I.D. – of Splines) for Traction Drive Pumps	1
12	102-4876-1	Input Shaft	1
13	102-4929-1	Bearing Housing	1
14	298-3116-68	Oil Seal	1
15	102-7725-1	Hex Nut, Slotted (1" 20 U.N.E.F.)	1
16	- - - - -	Not Used	–
17	398-3000-18	Cotter Pin, 1/8" x 2"	1
18	102-30910-1	Yoke	1
19	102-10175-1	Gasket	1
20	- - - - -	Not Used	–
21	102-1781-1	Gasket	3
22	102-10772-1	Reversible Hydrostatic Pump (Sundstrand 23 Series) Traction Drive (See Separate Illustration)	1
23	102-10784-1	Hydrostatic Pump (Sundstrand 22 Series) Complete with Valve (Vibration Drive) (See Sep. Illustration) Includes Control Valve	2
	102-10457-1	Hydrostatic Pump (Sundstrand 22 Series) w/o Valve	2
	102-10399-1	Control Valve for Hydrostatic Pump (Honeywell Hydrotransmission #V7058A1155)	2
24	398-2005-88	Nylon Cap Screw, ½" x 1¾" H.C.-H.T.	12
	298-39-37	Hardened Structural Washer ½"	12
25	102-30771-1	Bracket, Hydraulic Pump Control (on only one Vibration Drive Pump – for Manual Override Cable)	1
26	102-8672-7	Control Cable (Override – for only one Vibration Drive Pump)	1
27	X202821	Ball Joint (¼-28)	1
28	298-13002-86	Magnetized Pipe Plug, Cadmium Plated	1

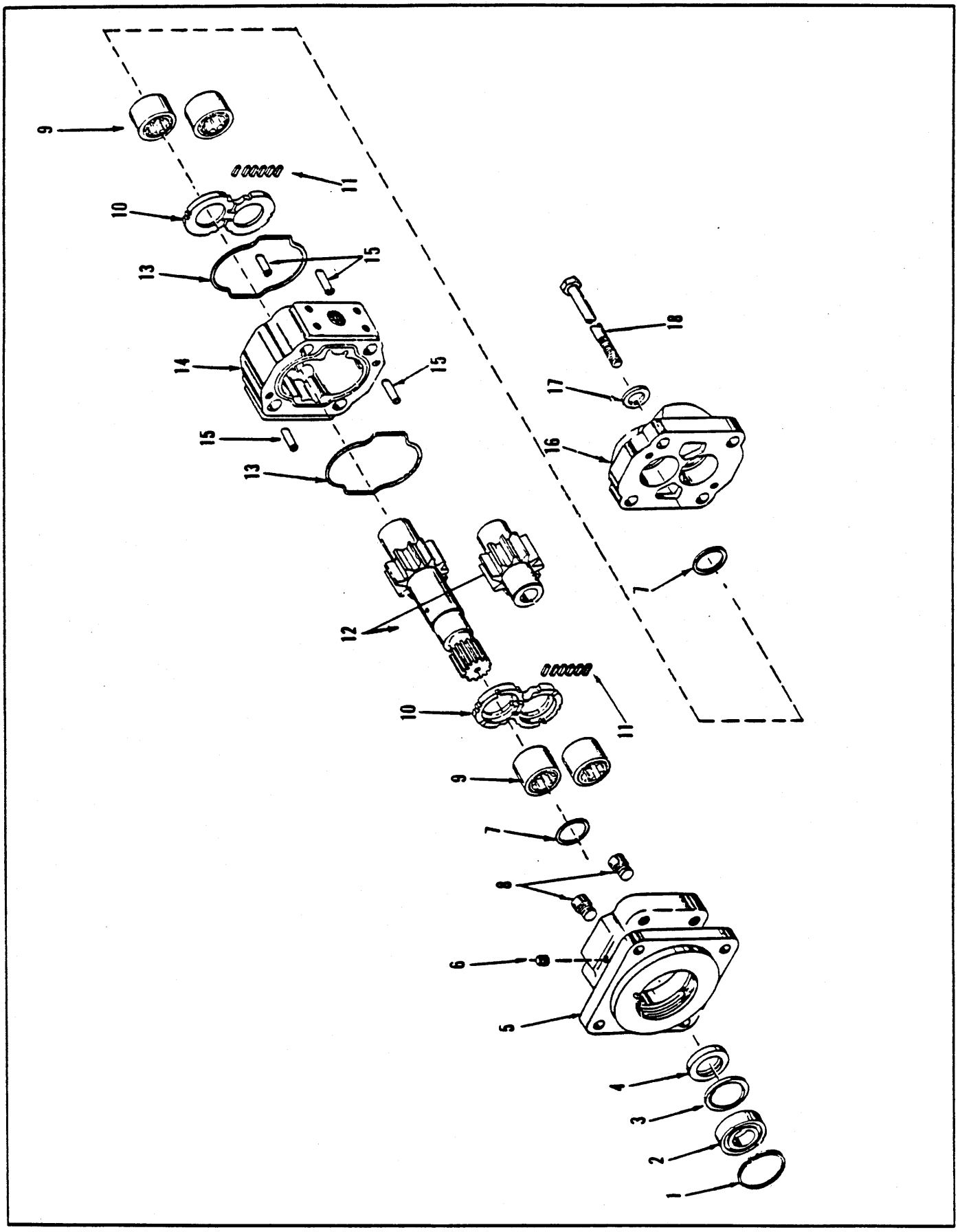


(Rebuilt, fully warranteed, Pumps and Motors are available from stock at special exchange price)

HYDROSTATIC PUMP ASSEMBLY SERVICE PARTS
FOR SUNDSTRAND MODEL 23-2262
REX PART NO. 102-10772-1
REVERSIBLE, LEFT HAND ROTATION – PROPULSION DRIVE

Item No.	Part Number	Description	No. Req'd.
1	102-4365-95	Control Valve Kit	1
2	102-4365-6	Control Valve Gasket	1
3	102-4365-83	Charge Pump Kit	1
4	102-4365-11	Charge Pump Gasket	1
5	102-4365-12	Check Valve	1
	102-5168-8	Check Valve "O" Ring	1
6	102-4365-2	Seal Kit – Consists of Items 7 thru 11 (Not Sold Separately)	1
12	- - - - -	Not Used	–
13	102-4365-52	Charge Pump Relief Valve Poppet	1
14	- - - - -	Included in Item 15	–
15	102-5168-9	Swashplate Link	1
16	- - - - -	Included in Item 15	–
17	102-4365-51	"O" Ring	3
18	102-4365-46	Control Shaft Handle	1

NOTE: Rebuilt, fully warranteed pumps and motors are available from stock at special exchange price.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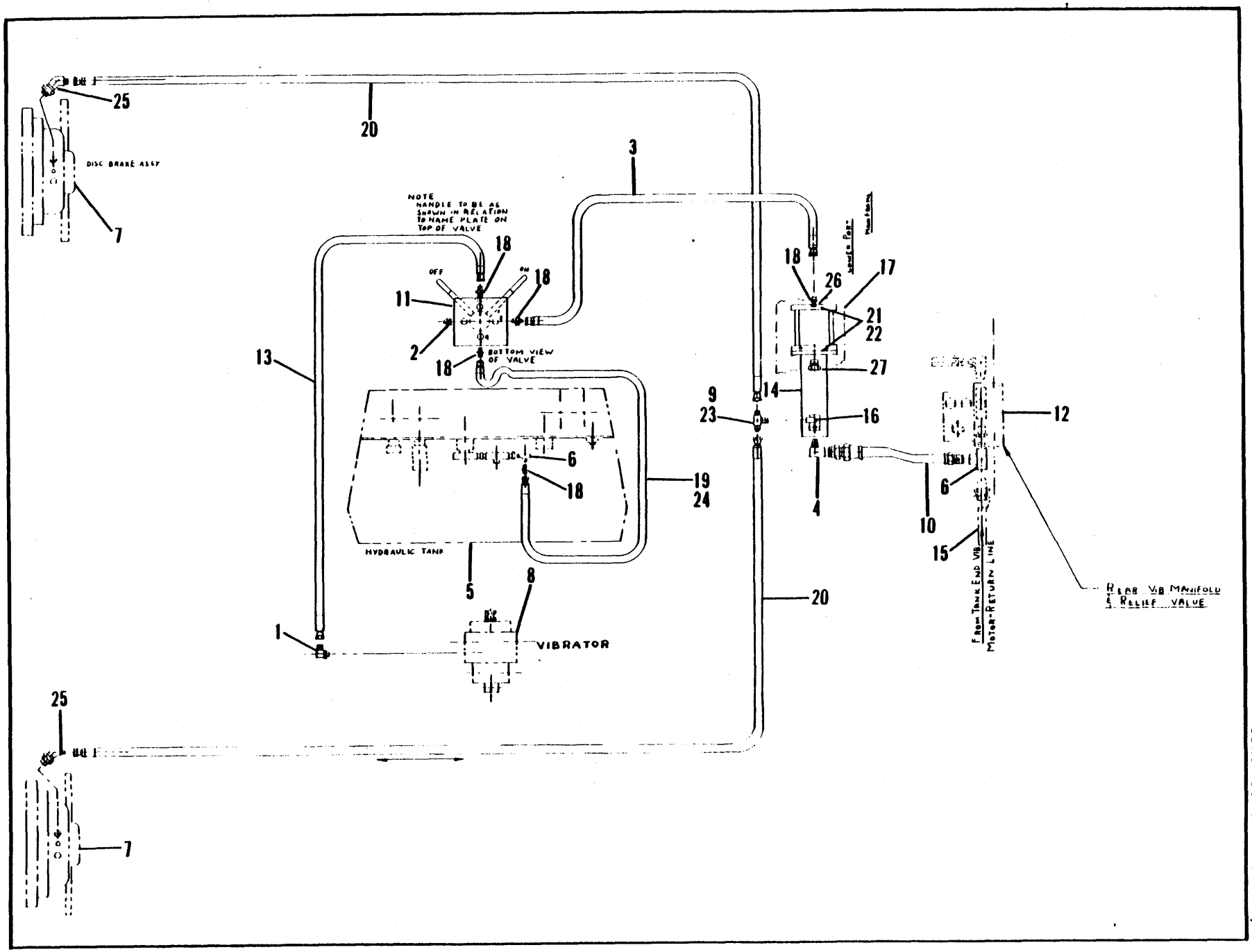
HYDRAULIC MOTOR – VIBRATOR DRIVE
REX PART NO. 102-9832-1
COMMERCIAL SHEARING & STAMPING CO.
NO. M31A-878 BEOF 12-25
MODEL SP 1100 VIB. ROLL

Item No.	Part Number	Description	No. Req'd.
1	102-9832-10	Snap Ring (*X134-206)	1
2	102-9832-11	Ball Bearing (*X69-40)	1
3	102-9832-12	Seal Retainer (*AE1669)	1
4	102-9832-13	Lip Seal (*X73-50-9)	1
5	102-9832-14	Shaft End Cover (*312-5037-402)	1
6	102-9832-15	Plug (*X1-28)	1
7	102-9832-16	Ring Seals (*LB1669-1)	2
8	102-7884-10	Check Assemblies (*M1391K)	2
9	102-7463-14	Roller Bearing (*Y1032)	4
10	102-9832-17	Thrust Plate (*AA1058-1)	2
11	102-7463-17	Pocket Seal Strip (*BA3026-2)	1
12	102-9832-18	Integral Drive Shaft and Gear Set (*BD1135M-1-12)	1
13	102-7463-18	Gasket Seal (*UB3006-242)	2
14	102-9832-19	Gear Housing (*312-8212-227)	1
15	102-9832-20	Dowel Pins (*391-2082-032)	4
16	102-9832-21	Port End Cover (*312-3120-100)	1
17	102-7463-22	Washers (*X144-3)	4
18	102-9832-22	Cap Screw (*X2-69)	4
		*Commercial Shearing Inc. – 1775 Logan Avenue Youngstown, Ohio 44501 Part Numbers and Description	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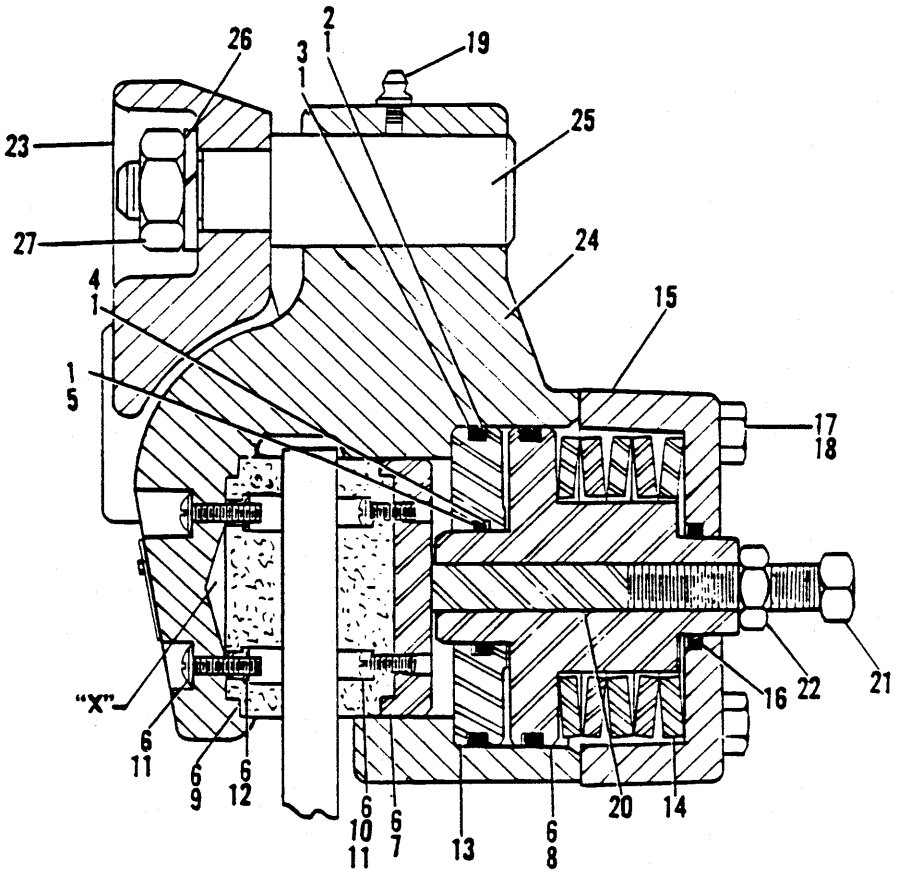
MOTOR-RETURN LINE
REAR VIB MANIFOLD
& RELIEF VALVE

BRAKE SYSTEM SCHEMATIC
ALL SP1100 VIBRATORY ROLLERS

Item No.	Part Number	Description	No. Req'd.
1	298-8184-86	90° El, 7/16-20 "O" Ring x 7/16-20 J.I.C.	1
2	398-14005-67	Pipe Plug ¼"	1
3	102-30765-1	Hose Assembly, ¼" I.D. x 4'-0" lg.	1
4	298-8193-86	Adapter 90°, 1/8" Male P.T. x ¼" F.P.T.	1
5	502-6610-80	Hydraulic Tank (Reference only)	1
6	298-17000-86	Service Tee ¼" (Reference only)	2
7	102-10445-1	Disc Brake (See Separate Illustration)	2
8	102-10458-1	Traction Hyd. Pump (Reference only)	1
9	298-8064-86	Adapter, 1/8" N.P.T.F. x 7/16-20 J.I.C.	2
10	502-1340-91	Hose Assembly, 3/8" I.D. x 1'-2" lg.	1
11	102-10770-1	Valve, Control	1
12	- - - - -	Manifold and Relief Valve (Reference only)	–
13	102-30765-4	Hose Assembly, ¼" I.D. x 9'-6"	1
14	102-10447-1	Intensifier	1
15	- - - - -	See Vibration Hydraulics	–
16	298-2040-62	90° Street El, 1/8" N.P.T.F.	1
17	502-7136-80	Main Frame (Reference only)	–
18	298-8063-86	Adapter, ¼" N.P.T.F. x 7/16-20 J.I.C.	4
19	102-30765-3	Hose Assembly, ¼" x 8'-6" lg.	1
20	102-30765-5	Hose Assembly, ¼" I.D. x 11'-0" lg.	2
21	398-2001-62	Cap Screw, 5/16-18 U.N.C. x 1¼" Hex Hd.	3
22	398-95001-81	Lock Washer 5/16"	3
23	298-17008-86	Tee, 1/8" N.P.T.F. x 7/16-20 J.I.C.	1
24	398-14000-1	Red. Bushing, ¼" x 1/8"	1
25	298-8189-86	Elbow 45° Male, 7/16" "O" Ring x 7/16" J.I.C.	2
26	398-14007-57	¼" Galv. Pipe Plug	1
27	298-2093-1	Breather Vent, ¼" N.P.T.F.	1

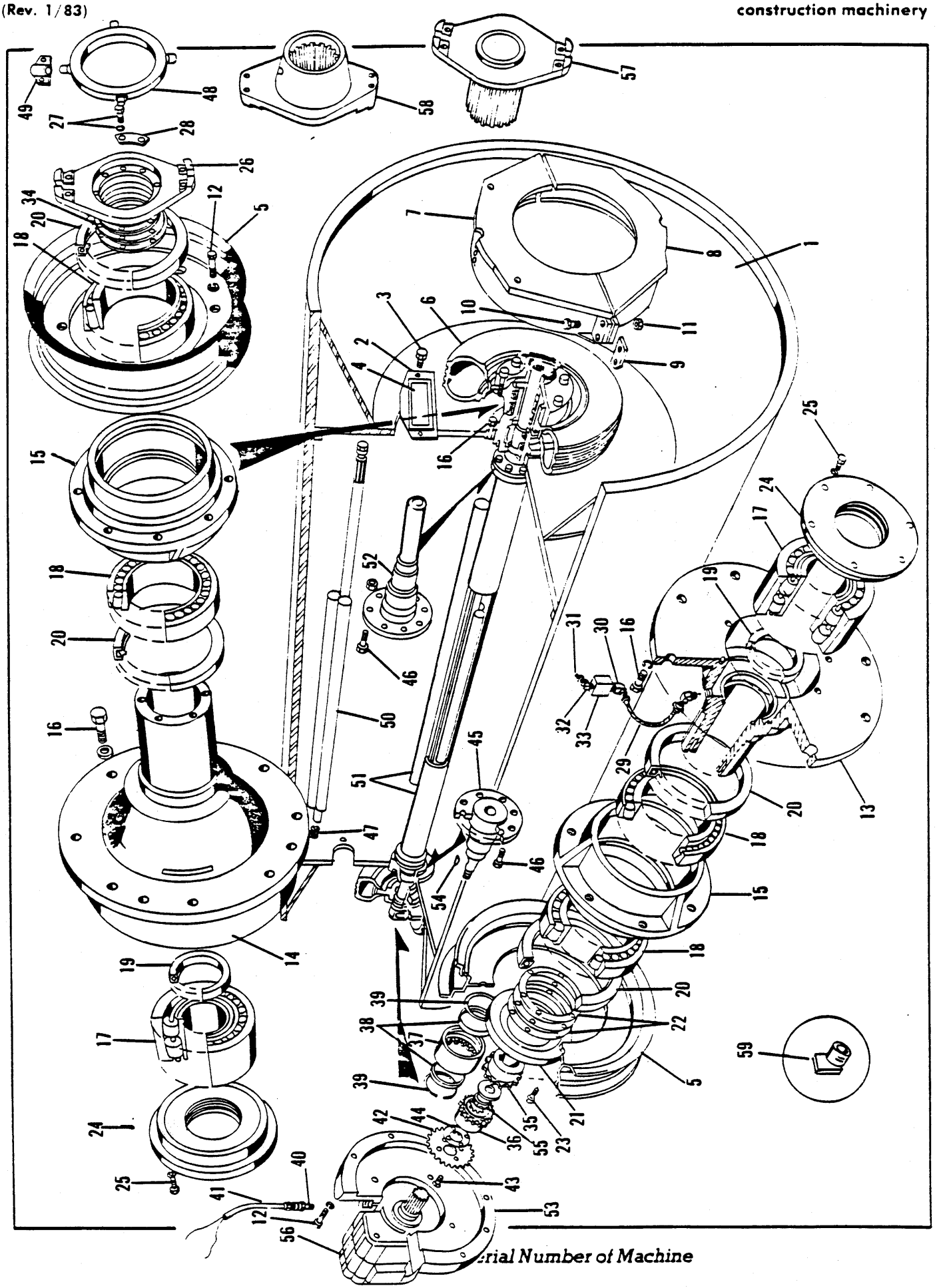


NOTE: Brake discs to be installed with Loctite #325 speed border on surface marked "X".

DISC BRAKE ASSEMBLY
REX PART NUMBER 102-10445-1
MINNESOTA AUTOMOTIVE INC. MODEL 03-530-600

Item No.	Part Number	Description	No. Req'd.
1	102-10445-10	Mico Repair Kit Consists of Items 2 thru 5 (*02-500-034)	1
2	102-10445-11	"O" Ring (*32-630-174)	2
3	102-10445-12	Back-up Ring (*32-630-173)	2
4	102-10445-13	"O" Ring (*32-630-011)	1
5	102-10445-14	Back-up Ring (*32-630-155)	1
6	102-10445-15	Mico Lining Kit Consists of Items 7 thru 12 (*20-060-021)	1
7	102-10445-16	Lining Assy. (*29-010-085) (Includes Item 10)	1
	102-10445-17	Seal (*32-190-019)	1
8	102-10445-18	Piston (*30-010-229)	1
9	102-10445-19	Lining (*32-060-011)	1
10	102-10445-21	Lining (*30-060-026)	1
11	102-10445-22	Screws (*33-200-058)	4
12	102-10445-23	Inserts (*30-270-005)	2
13	102-10445-24	Piston (*30-10-230)	1
14	102-10445-25	Belleville Spring (*33-155-015)	5
15	102-10445-26	Cover (*30-70-051)	1
16	102-10445-27	Wiper Seal (*32-190-018)	1
17	102-10445-28	Cap Screw (*33-255-047)	4
18	102-10445-29	Lock Washer (*33-125-007)	4
19	102-10445-30	Zerk Fitting (*34-001-043)	1
20	102-10445-31	Push Rod (*30-020-099)	1
21	102-10445-32	Set Screw (*33-200-043)	1
22	102-10445-33	Jam Nut (*33-300-056)	1
23	102-10445-34	Carrier Assy. (*28-260-004)	1
24	102-10445-35	Base (*30-260-029)	1
25	102-10445-36	Pin (*30-180-018)	1
26	102-10445-37	Washer (*33-125-015)	1
27	102-10445-38	Nut (*33-300-003)	1

*Minnesota Automotive Inc., Mankato, Minnesota part numbers.



...rial Number of Machine

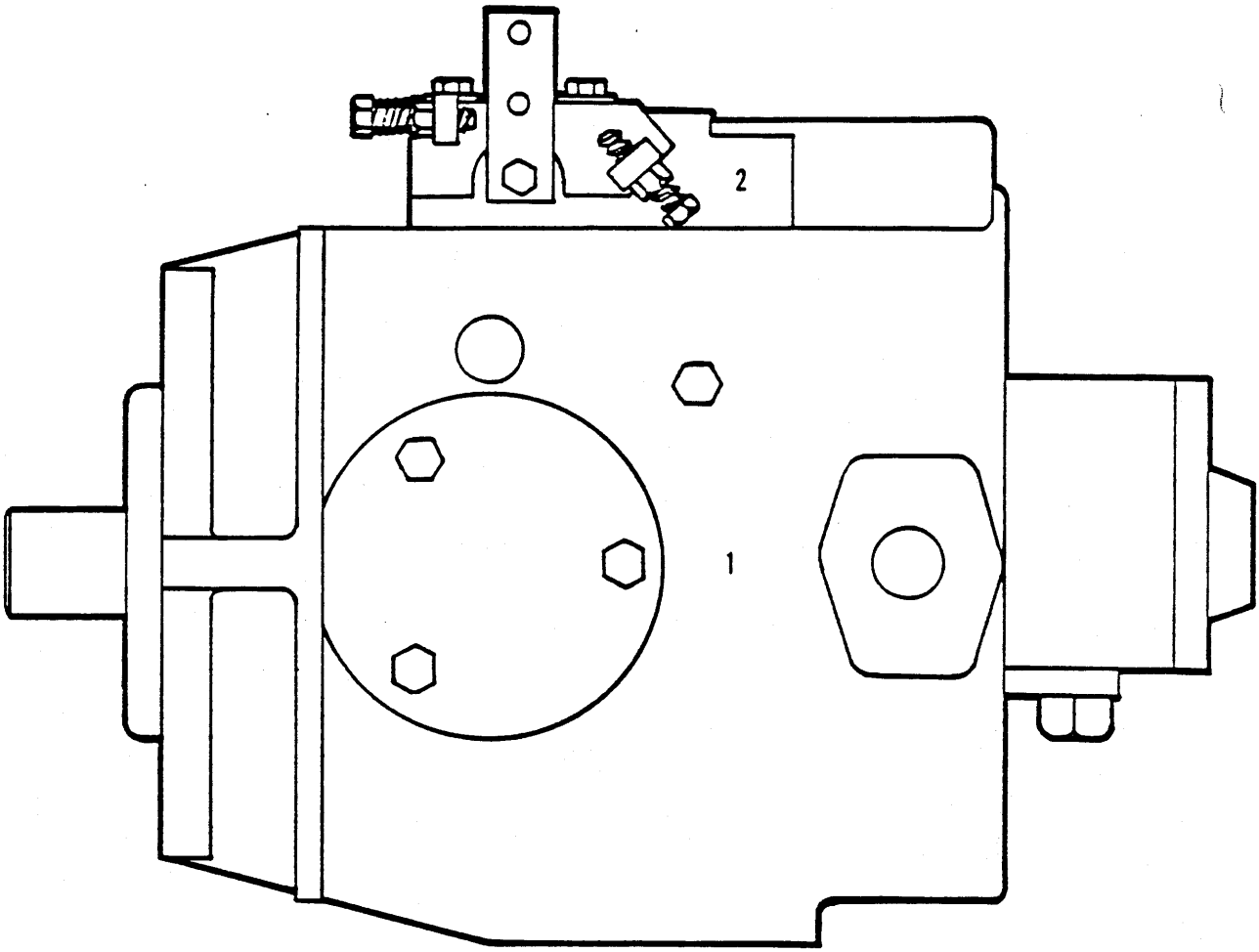
VIBRATORY ROLL ASSEMBLY
MODEL SP1100 VIBRATORY ROLL (TWO REQUIRED)

Item No.	Part Number	Description	No. Req'd.
1	502-6576-80	Roll (Shell only)	1
2	102-30719-1	Inspection Cover	2
	102-30720-1	Cover Gasket	2
3	298-28-93	Cap Screw, Nylok, 3/8" x 1"	4
4	102-30782-1	Lubrication Label	2
5	502-20067-80	Isolator Wheel	2
6	298-6065-68	Tire (Model G800, 185R15 Ply Radial)	2
	298-6036-68	Tube (165SR-15)	2
7	502-20068-80	Isolator Housing, Top Half	2
8	502-20069-80	Isolator Housing, Lower Half	2
9	102-10403-1	Shim	4
10	398-2004-90	Hex Hd. Cap Screw, ¾" x 2¾"	8
11	298-2035-71	Lock Nut ¾"	8
12	398-2005-90	Cap Screw, Nylok, 5/8" x 1½" (As Illustrated)	6
	298-87-93	Self-Locking Cap Screw, 5/8" x 3" (Opposite of Illustration)	6
	398-20000-41	Lock Washer 5/8"	12
13	402-2637-2	Hub, Roll Drive Side	1
	102-30942-1	Hub Shim, Large (Use if Required)	–
	102-30941-1	Hub Shim, Small (Use if Required) #16 Gauge	–
14	502-6603-80	Hub, Roll Driven Side	1
15	402-2636-2	Wheel Hub	2
16	298-95-93	Self-Lock Cap Screw, ¾" x 2¾"	16
	298-36-97	Hardened Washer ¾"	16
17	298-206-2	Spherical Bearing	2
18	298-347-2	Bearing Cup	4
	298-348-2	Bearing Cone	4
19	298-3111-68	Oil Seal	2
20	298-3112-68	Oil Seal	4
21	102-4776-1	Bearing and Carrier Ring	1
22	102-9782-1	Shim .005"	6
	102-9782-2	Shim .0075"	6
	102-9782-3	Shim .020"	6
23	398-2004-38	H.C.-H.T. Hex Hd. Cap Screw, 5/16" x 1" w/Lock Washer	6
24	102-4778-1	Retainer, Labyrinth	2

Item No.	Part Number	Description	No. Req'd.
25	398-2004-91	Cap Screw, 3/8" x 1", Nylok, H.T.	12
	398-20000-37	Lock Washer 3/8"	12
26	402-1794-2	Roll Drive Yoke	1
27	298-149-93	Grade 8 Cap Screw, 5/8" x 2½" U.N.F.	8
	298-41-97	Hardened Washer 5/8"	8
28	- - - - -	Not Used	
29	X7846	Grease Hose	2
30	398-8000-32	Elbow Body, 1/8" N.P.T. x 90° (#44701)	2
31	398-95004-31	Alemite Fitting (#A1184)	2
32	398-8000-31	Elbow Body 45°, 1/8" N.P.T. (#43716)	2
33	- - - - -	Block, Part of Item 1	–
34	102-10491-1	Shim .005" – Blue	6
	102-10491-2	Shim .0075" – Transparent	6
	102-10491-3	Shim .020" – Yellow	6
35	102-9765-1	Exciter Coupling, Driven Half	1
36	102-10164-1	Exciter Coupling, Drive Half	1
37	102-9766-1	Coupling Sleeve	1
38	298-3113-68	Seal Hub	2
39	298-7532-34	Snap Ring, Internal	2
40	298-103-17	Magnetic Pick up	1
41	502-205-80	Cord	1
42	102-10165-1	Sprocket 30T	1
43	298-199-93	Hex Socket Flat Head Cap Screw #10-24 x 5/8"	4
	398-20002-12	External Tooth Countersunk L.W. #10	4
44	298-10036-2	Plastic Shim	12
45	502-20092-80	Roll Stub Shaft	1
46	398-2004-43	U.N.C. Hex Hd. Cap Screw, 5/8" x 2½"	16
	298-2014-71	Lock Nut 5/8"	16
47	201523	Spring	1
48	298-6086-91	Spider	2
			8
49	298-225-93	Cap Screw, 5/8" x 2-3/4", Grade 8	16
50	502-20090-80	Rotor Vibration Shaft	1
51	502-6704-80	Center Shaft, Vibratory Roll	1
52	502-20091-80	Roll Stub Shaft, R.H.	1

VIBRATORY ROLL ASSEMBLY
MODEL SP1100 VIBRATORY ROLL (TWO REQUIRED)
(Continued)

Item No.	Part Number	Description	No. Req'd.
53	402-2642-2	Wheel Mount and Hyd. Motor Flange	1
54	398-6001-86	Woodruff Key (#C1009)	1
55	298-2062-71	Lock Nut, Light, Thin ¼"	1
56	102-9832-1	Hyd. Motor (Commercial Shearing & Stamping Co. No. M31A-878-BEOF-12-25 (See Separate Illustration)	1
	298-178-93	Self-Lock Cap Screw, ½" x 1¼"	4
	398-20000-39	Lock Washer ½"	4
57	502-6887-80	Yoke, Roll Drive	1
58	402-1814-2	Yoke, Internal Spline	1
59	502-8608-80	Coupling Puller, Optional (For Driven Half of Exciter Coupling)	1

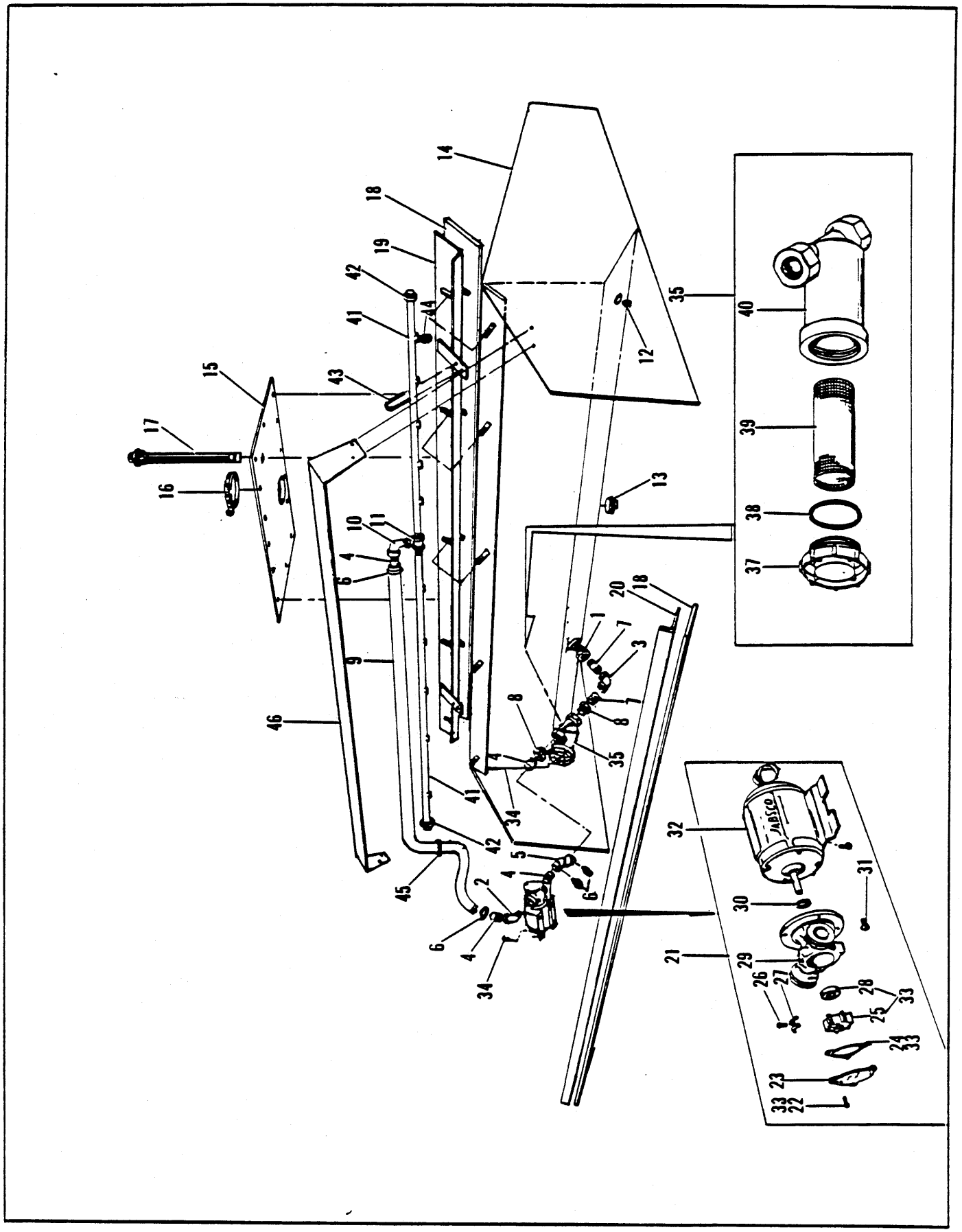


HYDROSTATIC PUMP ASSEMBLY
REX PART NO. 102-10784
REVERSIBLE HYDROSTATIC PUMP
LEFT HAND ROTATION FOR VIBRATION DRIVE

NOTE: Rebuilt, fully warranteed, pumps and motors are available from stock at special exchange price.

Must be purchased as complete assembly.

Item No.	Part Number	Description	No. Req'd.
1	102-10457-1	Sundstrand Hydrostatic Pump, Model #22-2163	1
2	102-10399-1	Honeywell Hydro Transmission Valve, #V7058A1155	1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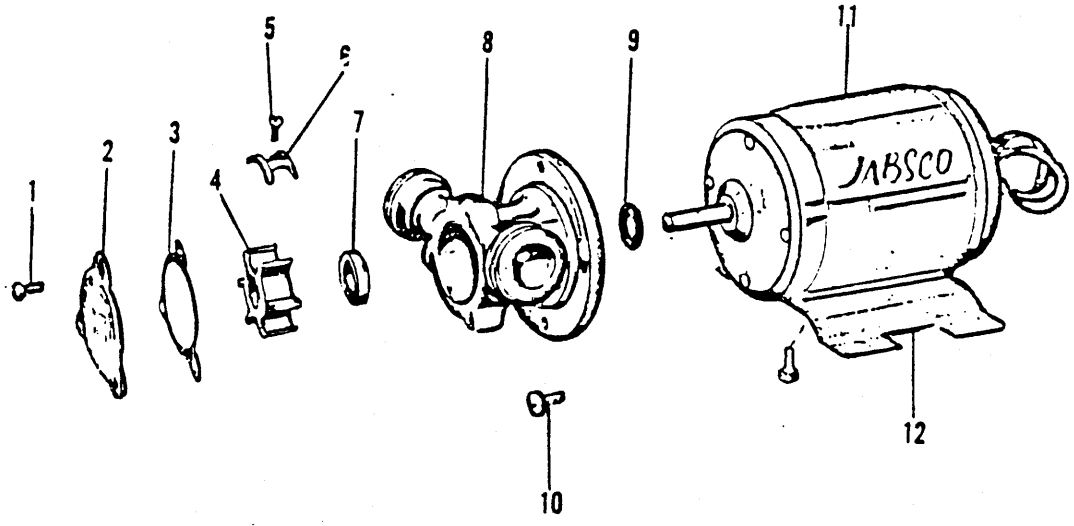
WATER TANK, PUMP, STRAINER
PIPING & HOSES, SPRAY BARS AND GAUGES
MODEL SP1100 VIBRATORY ROLL

Item No.	Part Number	Description	No. Req'd.
1	398-14000-14	Reducing Bushing, ½" x 3/8"	2
2	398-99000-19	Street Elbow, 3/8" x 45°	2
3	398-14008-92	Pipe Elbow, 3/8" x 90° (Galv.)	2
4	398-14006-87	Nipple, 3/8" x 1½" T.O.E. (Galv.)	8
5	102-8224-17	Hose, 5/8" I.D. x 5" lg.	2
6	298-9048-86	Hose Clamp	8
7	398-14002-28	Close Nipple, 3/8" (Galv.)	4
8	398-99006-31	Reducing Bushing, ¾" x 3/8"	4
9	102-8224-3	Hose, 5/8" I.D. x 65" lg.	2
10	398-14001-34	Street Elbow, 3/8" x 90° (Galv.)	2
11	398-14008-24	Reducing Tee, ¼" x ¾" x 3/8" (Galv.)	2
12	398-14005-74	Pipe Plug ½" (Galv.)	2
13	398-14010-3	Pipe Plug 1½" (Galv.)	2
14	502-6577-80	Water Tank	2
15	502-8428-80	Cover, Water Tank	2
	398-20000-51	Copper Cut Washer 3/8"	28
	298-104-93	H.T. Zinc Pl. Cap Screw, 3/8" x 1" w/Lock Washer	28
16	502-2799-80	Filler Cap w/Lug	2
17	298-2117-56	Gauge, Liquid Level	1
18	102-30625-1	Scraper, Neoprene	4
19	502-8497-80	Scraper Bar	2
20	102-30626-1	Bar, Scraper	4
21	102-6440-1	Water Pump (Jabsco #8860) Includes Items 22 thru 33 Inclusive (1 Set Each Pump)	2
22	102-6440-11	Screw (*SP1102-09)	3
23	102-6440-12	End Cover (*8865)	1
24	102-6440-13	Gasket (*7828)	1
25	102-6440-14	Impeller (*1414-37)	1
26	102-6440-15	Screw, Cam (*SP1002-1)	1
27	102-6440-16	Cam (*8089)	1
28	102-6440-17	Seal (*SP3000-10)	1
29	102-6440-18	Body (*7824)	1

Item No.	Part Number	Description	No. Req'd.
30	102-6440-19	Slinger (*6342)	1
31	102-6440-20	Screw (*SP8019-2)	2
32	102-6440-21	Motor, Model 8860 part no. (*SP8012-02)	1
33	102-6640-22	Service Kit, Includes Items 22, 24, 25 and 28	1
34	298-98-93	Heat Treated Zinc Plated Cap Screw, ¼" x ¾"	8
	298-2068-71	Lock Nut, ¼-20 (Flanged)	8
35	102-30212-1	Water Line Strainer Assy. (Each Includes 1 Set of Items 36 thru 40) (**Delavan No. 29857-1)	2
36	- - - - -	Not Used	–
37	102-30212-10	Cap (**19798)	1
38	102-30212-11	"O" Ring (**31352-031)	1
39	102-30212-13	Screen, 80 Mesh (**31500-4)	1
40	102-30212-14	Body (**19799-1)	1
41	102-30690-1	Spray Bar	4
42	398-14000-90	Pipe Cap, ¾" Dia.	4
43	298-1014-4	"U" Bolt ¼"	4
44§	102-6438-1	Spray Nozzle	24
45	298-4516-68	Plastic Clamp	4
46	102-30767-1	Wind Guard	2
	398-2001-76	Cap Screw, 3/8" x 1" U.N.C.	8
	398-20000-37	Lock Washer 3/8"	8
	398-11000-19	Nut, 3/8" U.N.C.	8
	102-9100-4	"U" Edging	3

* Jabsco, Costa Mesa, California part numbers.
** Delevan Mfg. Co. part numbers.
§ Service parts for spray nozzle –
102-6438-2 Hex Body 11/16"
102-6438-3 Hex Cap 13/16"
102-6438-4 Strainer Assy.
102-6438-5 Orifice Tip (.026 Orifice Dia.)

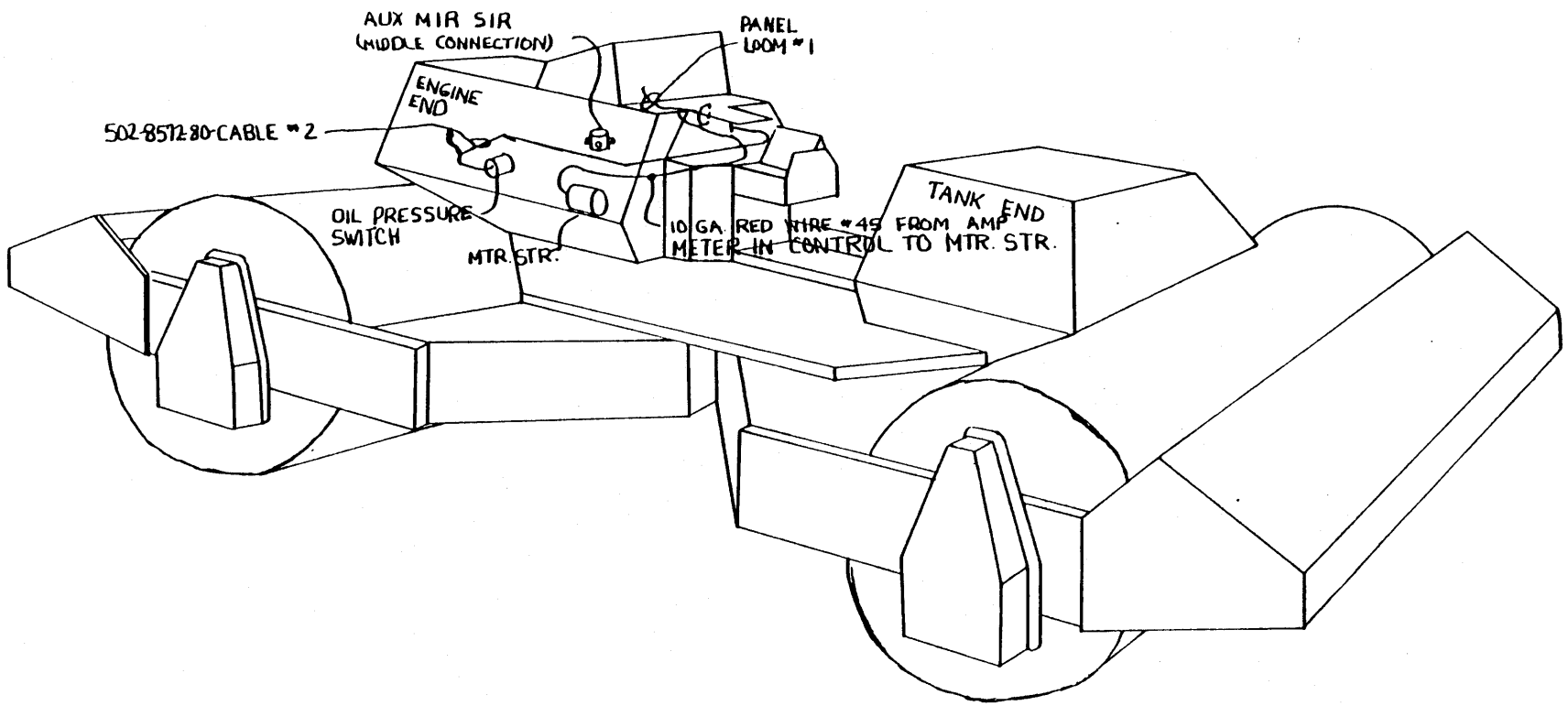


WATER PUMP
JABSCO – "MINI-PUPPY" #8860
12 VOLT D.C.
REX PART NO. 102-6440-1

Item No.	Part Number	Description	No. Req'd.
1	102-6440-11	Screw (*SP1002-09)	3
2	102-6440-12	End Cover – Model 8860 (*8865)	1
3	102-6440-13	Gasket (*7828)	1
4	102-6440-14	Impeller (*1414-37)	1
5	102-6440-15	Screw – Cam (*SP1002-01)	1
6	102-6440-16	Cam (*8089)	1
7	102-6440-17	Seal (*SP3000-10)	1
8	102-6440-18	Body (*7824)	1
9	102-6440-19	Slinger (*6342)	1
10	102-6440-20	Screw (Body to Motor) (*SP8019-02)	2
11	102-6440-21	Motor – Model 8860 (*SP8012-02)	1
12	102-6440-22	Service Kit – Consists of Impeller, Seal, Gasket and 31 End Cover Screws (*8860-SK92)	1

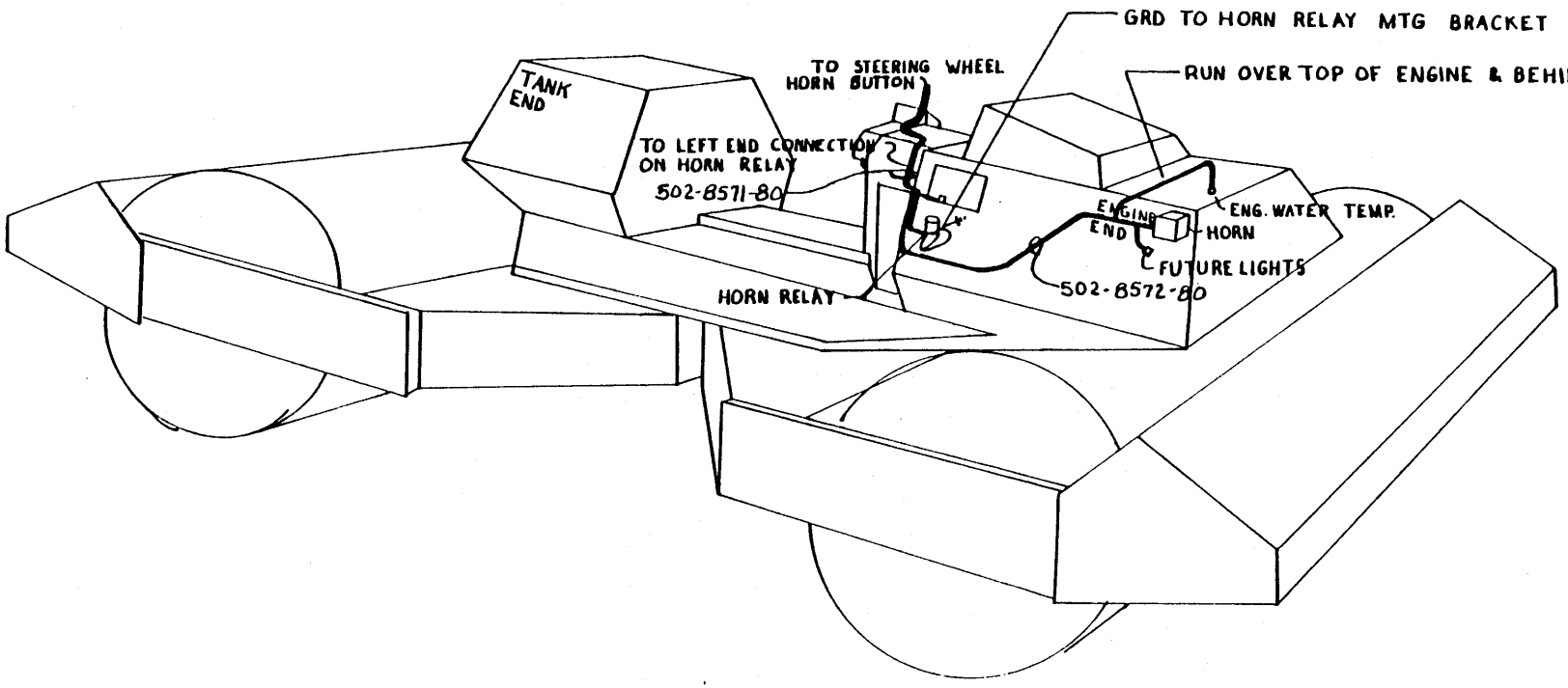
* Part numbers are Jabsco, Costa Mesa, California part numbers.

SERIAL NUMBER 151 AND UP



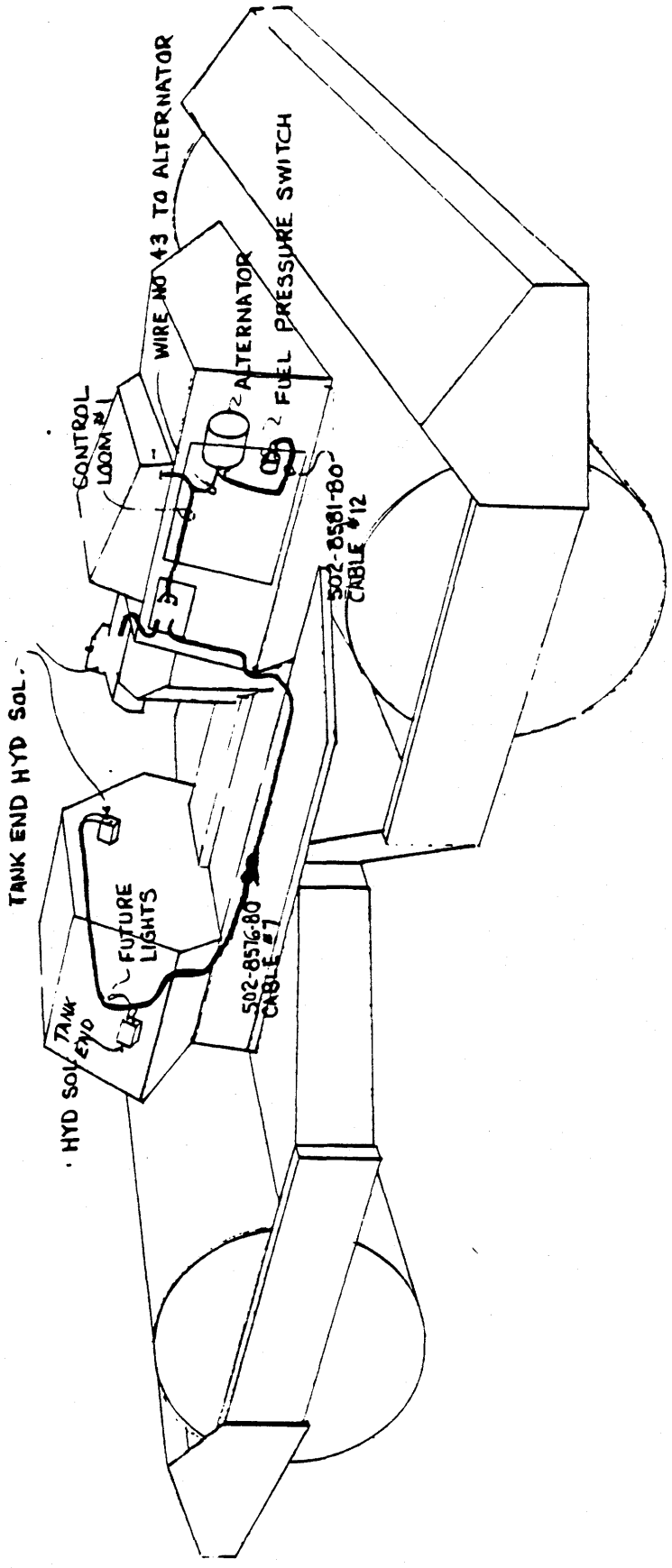
SPLICE CABLE ROUTING
CABLES ½ OF 502-8572 &
NO. 45 WIRE.

SERIAL NUMBER 151 AND UP



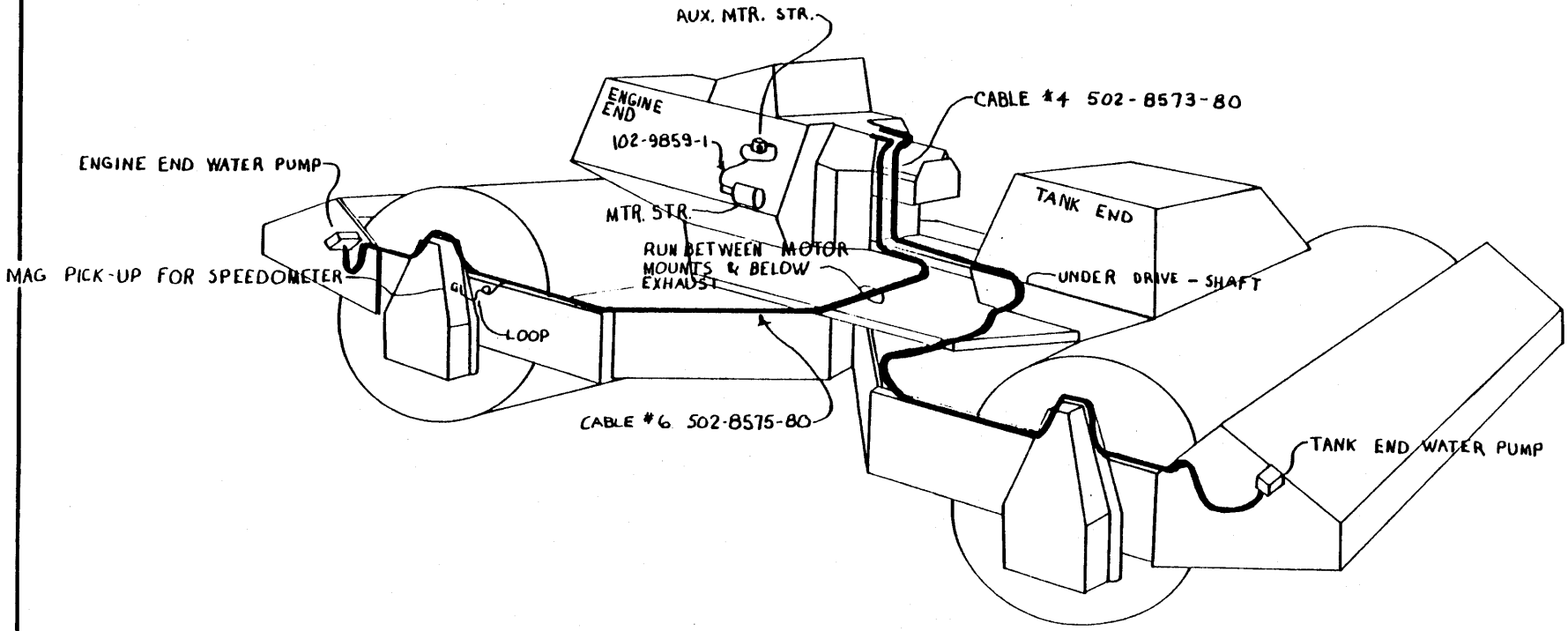
SP1100 CABLE ROUTING
CABLES 502-8571 &
½ OF 502-8572

SERIAL NUMBER 151 AND UP



Always Give Serial Number of Machine

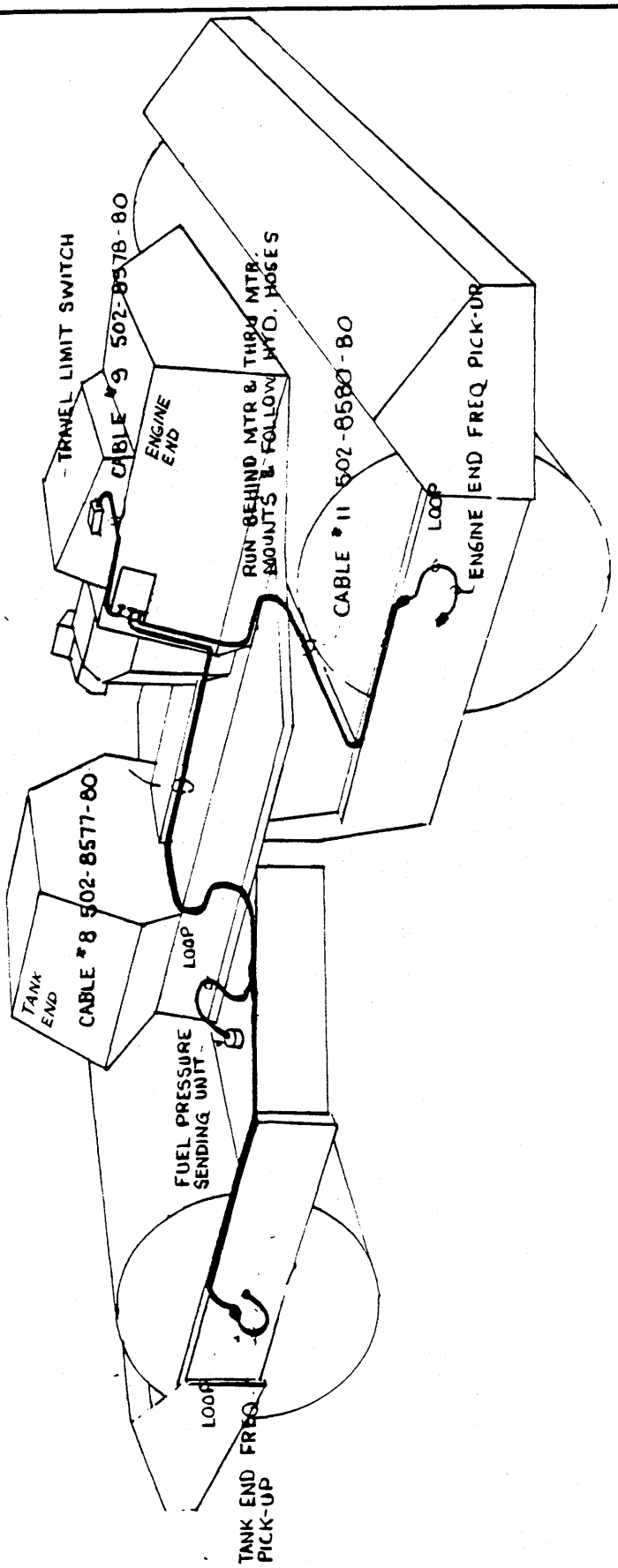
SERIAL NUMBER 151 AND UP



SP1100 CABLE ROUTING
CABLES 502-8573, 502-8575
- 102-9858-1

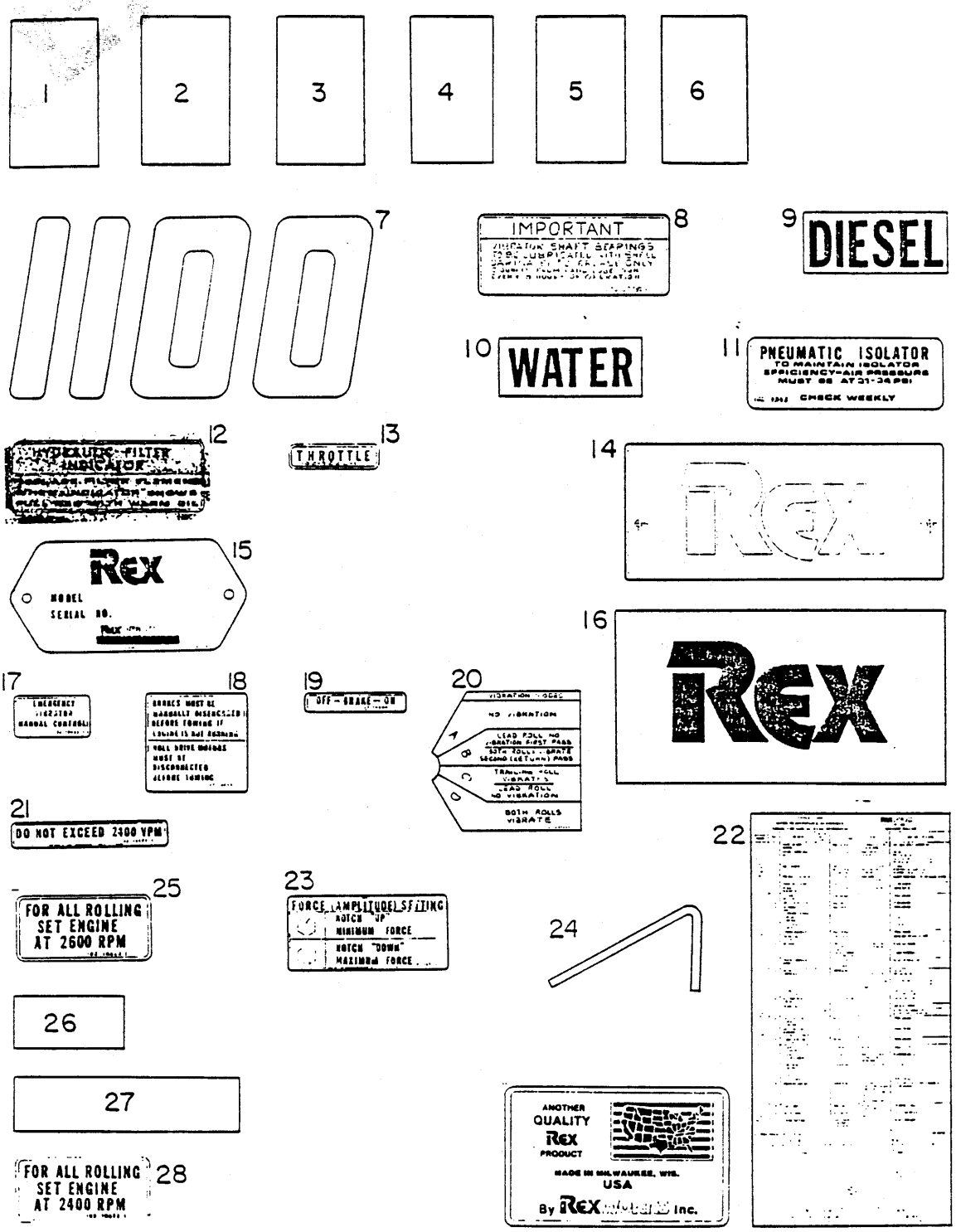
Always Give Serial Number of Machine

SERIAL NUMBER 151 AND UP



INSTRUCTION PLATES AND WARNING DECALS

REX MODEL SP1100B VIBRATORY ROLLER



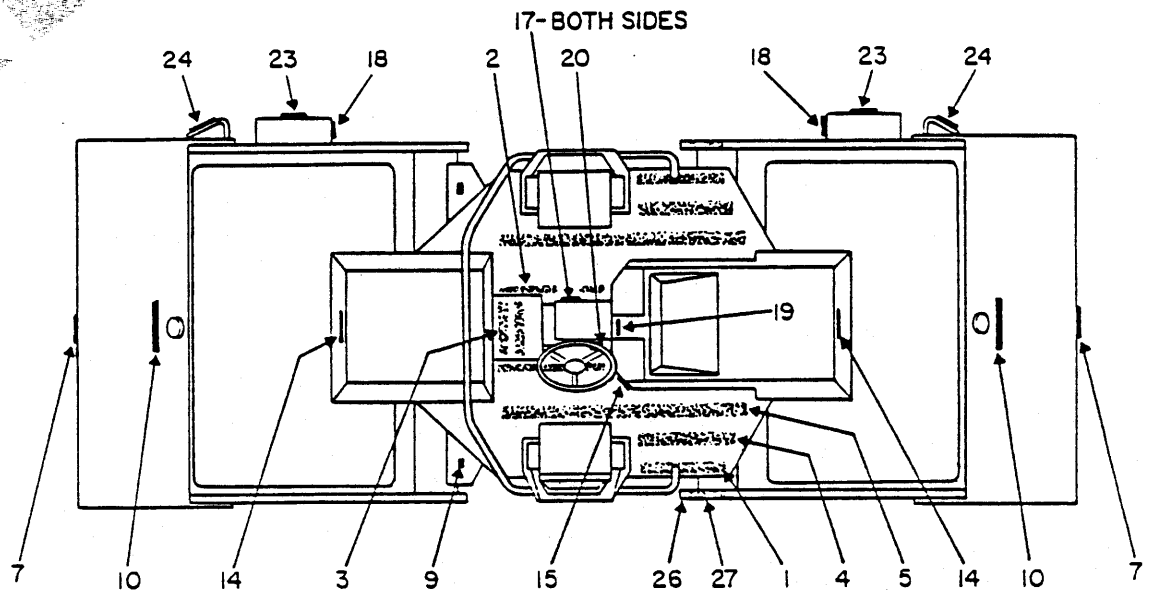
INSTRUCTION PLATES AND WARNING DECALS

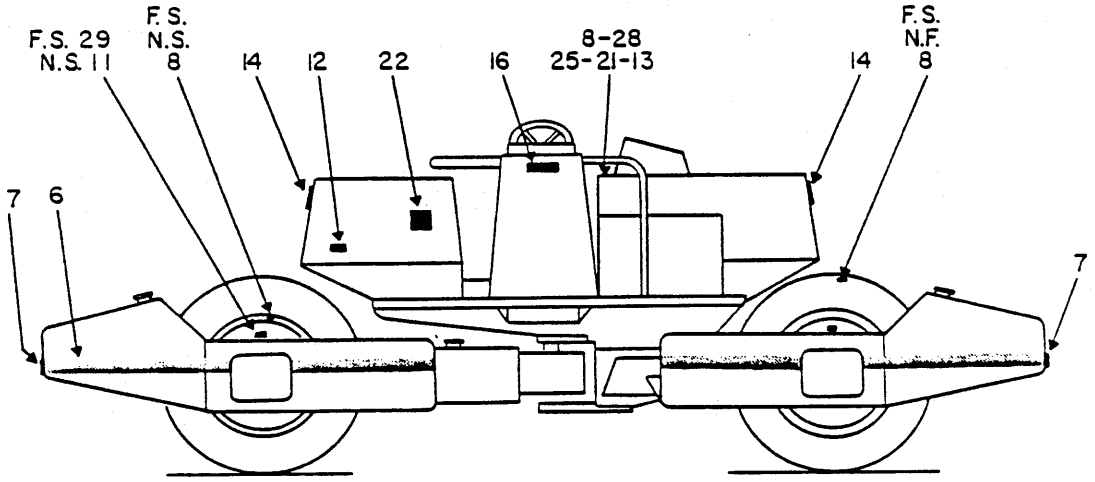
REX MODEL SP1100B VIBRATORY ROLLER

ITEM	PART NUMBER	DESCRIPTION	QTY
1	102-08085-13	TAPE SAFETY WALK 11"	2
2	102-08085-07	TAPE, SAFETY-WALK	2
3	102-08085-04	SAFETY WALK TAPE	2
4	102-08085-14	TAPE SAFETY WALK 25"	2
5	102-08085-02	TAPE SAFETY WALK 60"	2
6	102-09239-01	TAPE, REFLECTIVE, 3"X16'5"	39
7	102-30723-01	DECAL 1100	2
8	102-30782-01	LABEL-LUBRICATION	5
9	102-10768-01	DIESEL DECAL	2
10	102-09512-01	LABEL-WATER	2
11	102-09343-01	ISOL INFLA DEC 31/34	2
12	102-08699-01	FILTER INDIC DECAL	1
13	102-09222-01	THROTTLE DECAL	1
14	402-01815-01	REX LOGO	2
15	102-11159-01	SERIAL NO PLATE	1
16	102-31127-01	SIGN-REX C&S	2
17	102-10465-01	LABEL-MANUAL CONTROL	1
18	102-10466-01	LABEL-TOWING	2
19	102-10604-01	LABEL-BRAKE	1
20	102-10471-01	LABEL-VIB MODES	1
21	102-10493-01	LABEL-VPM	1
22	102-50102-01	SERVICE CHART LABEL	1
23	102-10525-01	AMPLITUDE LABEL	2
24	102-10502-01	GUARD GEAR CASE	2
25	102-10623-01	ENGINE DECAL 2600RPM	1
26	102-08085-15	TAPE SAFETY WALK 2X4"	2
27	102-08085-16	TAPE SAFETY WALK 1-1/2X10"	2
28	102-10622-01	LABEL-ENGINE SET-G.M	1

LOCATION OF INSTRUCTION PLATES AND WARNING DECALS

REX MODEL SP1100B VIBRATORY ROLLER





LOCATION OF INSTRUCTION PLATES AND WARNING DECALS

REX MODEL SP1100B VIBRATORY ROLLER

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28	102-10622-01	LABEL-ENGINE SET-G.M	1

REX

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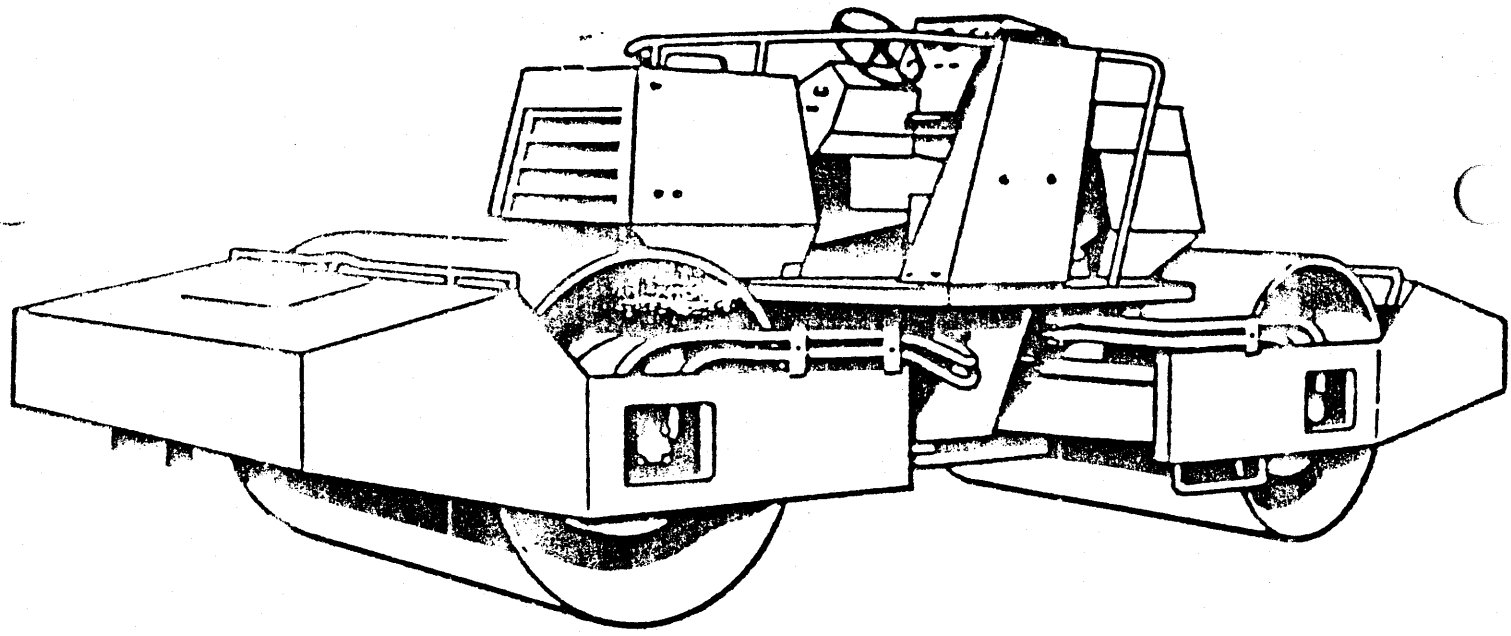
MANUAL NO. 485T
MODEL SP-1100B
DOUBLE DRUM
VIBRATORY ROLLER
(R 183)

REXWORKS

single and double drum vibratory rollers



SERVICE MANUAL